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OREGON SEED STORE



**S.E. CORNER 2ND AVENUE AT YAMHILL
PORTLAND, OREGON • ATWATER 5522**



Giant Dahlia Flowered Zinnia Collection

SPECIAL OFFER! 6 regular 10c pkts. for 40c

Exquisite—By far the most pleasing of our collection. Truly DAHLIA flowered as regards form and size. Color, light rose with center a deep rose. (Tyrian Rose.)

Meteor—A rich, glowing deep red (Spinel Red) and the darkest of all red shades. Fine form, with good depth of petal. Very large and more floriferous than other reds.

Oriole—We consider this the most beautiful of its class. It is an immense orange and gold bicolor, changing slightly as it ages, but at all times worthy of the beautiful bird for which it is named. Our cultures are limited, and we can

offer Oriole in small quantities only this year.

Golden State — A very rich orange yellow (Cadmium). Yellow is the bud, turning to an attractive orange when in full bloom.

Crimson Monarch—By far the largest and best of red shades. Flowers often eight inches in diameter. Plants very vigorous. A marvelous production of extraordinary merit.

Giant Attraction—A distinct shade of brick red (Spectrum Red), which carries its color well from the bud, and forms into an immense ball of color when in full bloom.

SPECIAL COLLECTION OF ASTERS

Improved Giant Crego — The most beautiful and desirable aster we have ever seen; very hardy, free-flowering, and one of the best for general planting; the plant is a strong, healthy grower, and will produce 12 to 15 long-stemmed flowers of the most graceful and pleasing style.

With ordinary care you can grow flowers measuring 5 to 6 inches across, most of the handsome large aster blooms you see in the Portland flower stores are of this kind. Pure white, shell pink, rose pink, purple, crimson, lavender and one packet of single mixed.

7 regular packets, 40c

1935 SWEET PEA COLLECTION

For the sum of 50c we offer these eight beautiful varieties, all regular size packets of the following: **Welcome**, best scarlet. **Honour**, large rich crimson. **Model**, pure white. **Pinkie**, large rose pink. **Powerscourt**, best lavender. **Prince of Orange**, deep orange. **Reflection**, clear blue. **What Joy**, primrose yellow.

BEWARE OF CHEAP SEEDS!

Good seed means dollars and cents to you. We offer only the best that money can buy.

Non-Warranty — Most failures are due to causes beyond our control, rendering it impossible for us to guarantee success; and although we are careful to supply only goods as will, under proper conditions, produce satisfactory re-

sults, we give no warranty as to description, quality or productiveness of any seeds, plants or bulbs sent out, and will not be in any way responsible for the crop, and every order for articles named in this catalog will be executed on these conditions only.



ASPARAGUS

Conover's ColossalPkt. 5c
PalmettoPkt. 5c

ARTICHOKE

Large French Green Globe.....Pkt. 5c; oz. 75c

BEANS

DWARF, WAX OF YELOW PODDED VARIETIES

Cultural Directions—Beans are very sensative to cold and wet, should not be planted until ground has become warm and dry. Drop seed about 3 inches apart in drills 2 to 3 feet apart and cover about 1½ inches deep. For succession, sow at intervals of about two weeks until the last of July. One pound of seed is sufficient for about 100 feet of drill.

Price of Beans—Pkt. 10c; ½-lb. 15c; lb. 30c; 10 lbs. \$2.50; postpaid

New Improved Kidney Wax — A great improvement over the Davis Kidney Wax. Plants of erect habit, robust in growth and very prolific.

New Brittle Wax — Extremely early, heavy cropper. Handsome pods are nearly straight, long, round, fleshy, tender.

Davis White Kidney Wax Bean—The finest yellow podded bush bean. It is very early, the plant is hardy and produces an abundant crop.

Golden Wax Bean—An old standard variety, and one of the earliest and best. Pods are of medium length, slightly curved, broad, flat, and of golden yellow color.

Pencil Pod Black Wax Bean—A very handsome black wax yellow podded sort. Medium early, fairly hardy, productive.

DWARF GREEN PODDED VARIETIES

Cultural Directions—Same as the Dwarf, Wax or Yellow Podded varieties.

Burpee's Stringless Green Pod Beans — A splendid dwarf, green podded variety for either home garden or market.

Bountiful—This is an extra early, hardy snap, which is very popular with market gardeners. It is named Bountiful because of heavy crops it produces.

Black Valentine Bean—A very hardy and productive green podded bean, popular with market gardeners. Plants are very productive.

Dwarf Horticultural Bean—One of the best dwarf for green shell beans.

Refugee, or Thousand to One Bean—A standard and very productive variety.

POLE OR RUNNING VARIETIES

Dickenson's Yount—The mammoth 10 to 12-inch pods, picked in their prime, are entirely stringless. Quality is superb for canning or used fresh as a string bean. Pkt. 10c; lb. 35c.

Kentucky Wonder, or Old Homestead Pole Bean—Finest and most popular of pole beans. It is early and very prolific, with long, attractive, green pods of the most excellent quality.

London Horticultural, or Speckled Cranberry—One of the best of the Horticultural varieties as a late green shell bean.

Prices of following Beans:

Packet 10c; ½-lb. 20c; 1 lb. 35c

Golden Pod Kentucky Wax Bean—Very similar to green podded Kentucky Wonder, except that pods are of a golden yellow color.

Scarlet Runner Bean—Very ornamental, bearing a profusion of bright scarlet flowers. The pods, when young, are of fine quality.

Oregon Pole Lima—The large, plump, white beans are of delicious quality, green, shelled or dry. They are in "prime condition" when the pods begin to turn yellow. Oregon grown acclimated seed. Large pkt. 10c; ½-lb. 20c; lb. 35c; 10 lbs. \$3.00.

BEETS

The seed should be sown thinly in drills from ½ to 1 inch deep leaving 12 inches or more between the rows, to admit cultivation. When well started, thin the plants to stand 3 to 4 inches apart in the row. One ounce will sow 100 feet of drill; 4 to 6 pounds are needed per acre in drills.

TABLE BEETS

Oregon's Improved Detroit Dark Red — Its greatest claim to superiority is the deep, uniform fresh blood color of the flesh of the root. The texture is fine grained and the flesh is crisp and sweet. The ones who grew this last season consider this the best beet ever grown.

Pkt. 5c; oz. 15c; 4 ozs. 50c; 1 lb. \$1.50

Early Wonder—This is a selection from the popular Crosby's Egyptian but matures a few days later. Roots are nearly globe-shaped and uniform in size.

Pkt. 5c; oz. 15c; ¼-lb. 30c; lb. \$1.00

Crosby's Egyptian Beet — A splendid extra early beet, an improvement over the old Extra Early Egyptian, being larger and of better quality. Pkt. 5c; oz. 15c; ¼-lb. 30c; lb. \$1.00.

Extra Early Egyptian Beet — Considered the best variety for forcing. The tops are small, the roots very dark red, small, flattened on the bottom, tender and sweet. Pkt. 5c; oz. 15c; ¼-lb. 30c; lb. \$1.00.

MANGELS

FOR STOCK FEEDING

These require the same soil and climatic conditions as sugar beets and are sown any time up to June 15. Mangel-Wurzels are very valuable for stock feeding, particularly in sections where it is too cool to grow a good crop of corn. One ounce sows 100 feet of drill; 5 pounds per acre in drills. Sown broadcast, 15 to 20 pounds per acre.

Prices on the following Mangels:

Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 50c; postpaid.

Glant Half Sugar Mangel—Yields as much per acre as the best Mangels, and twice as much per acre (bulk or roots) as the rich sugar beet. Roots grow very large above the ground. Smooth, creamy white in color and very nutritious. Easily pulled.

Mammoth Long Red—Very popular and much used. A large and heavy cropper. Dark red skin, with whitish flesh; grows one-half or more above the ground; roots quite regular; attain a very large size.

Danish Sludstrup—An improved variety, considered one of the best. Awarded first class certificate. Color, reddish yellow, and of a distinct type. It is very hardy, grows well above ground; easily pulled; very nutritious.

Golden Tankard — An enormous yielder of weight per acre, and at the same time very nutritious; flesh deep yellow, of fine shape, growing largely above ground, thus being easily harvested.

SUGAR BEETS

Klein Wanzleben—The most popular for table and sugar production. Tops rather large and slightly waved. Pkt. 5c; oz. 10c; 1/4-lb. 20c; lb. 50c; postpaid.

BROCCOLI

Pkt. 5c; oz. 90c; 1/4-lb. \$3.00.

St. Valentine Broccoli—Splendid new strain of white Broccoli. Sure header; heads are large solid, white, handsome. They remain in good condition longer than other varieties. Ready for market in February.

Italian Green Sprouting Broccoli—New sort with much merit. Its habit of growth is much different from regular broccoli in that after main head is harvested the stem branches and produces numerous small loose heads about 2 inches in diameter which, though green in color, are nevertheless of very fine flavor and delicious quality.

BRUSSEL SPROUTS

Long Island Improved—This is a fine strain of sprouts grown extensively for the market, bringing a good price, especially during winter. Plants produce large crop tightly folded sprouts, delicious, sweet flavor.

Pkt. 5c; oz. 25c; 1/4-lb. 90c

CABBAGE

Cabbage succeeds best in cool, moist climates, in rather friable loams with gravelly subsoil. Early cabbage is sown in hotbed or in house about middle of February. Late cabbage for winter use is sown during June. One ounce will produce about 2000 plants. Sow 1 ounce to 300 feet of drill. Two ounces sown in hotbed will give sufficient plants to set out an acre; sow 6 ounces in open seedbed for one acre.



Zero Cabbage

Prices on Cabbage

Pkt. 5c; oz. 25c; 1/4-lb. 75c; lb. \$2.50.

Zero Cabbage (Improved Oregon Ballhead)—Without doubt every grower who has grown our Zero Cabbage considers this the best for the Northwest.

Danish Round Head (Select Short Stem)—A ball shaped cabbage of great solidity. Color rich dark green, has few outer leaves and is very hardy.

Danish Ballhead—Our seed is absolutely unequaled. It is esteemed for winter use because of the great solidity and excellent keeping qualities of the heads.

Early Jersey Wakefield Cabbage — This has long been standard early cabbage. It is one of the earliest and a sure header. Heads are of medium size, uniformly pointed, very solid; good quality.

Early Winningstadt Cabbage—Not quite so early as Early Jersey Wakefield, but similar shape and size. Excellent home market early variety.

Copenhagen Market Cabbage—Earliest large, round headed cabbage; very large; very early; very solid. Plants are short stemmed, compact, with few outer leaves, and are vigorous. One of the best for either home or market.

American Drumhead Savoy Cabbage—Best of main crop or late Savoy Cabbage. Plants are vigorous, with rather short stem, are very sure heading. Leaves are fleshy and are densely and uniformly crumpled.

Red Rock Cabbage—The largest and surest heading red cabbage. It is late, large, round, very solid and of attractive deep red color.

CHINESE CABBAGE

Pe-Tsai (Celery Cabbage)—Plant forms head much like Cos Lettuce. Is of distinct flavor, mild, pleasant, served as salad or cooked like asparagus.

CARROTS—BEST GARDEN

Prices on Carrots

Pkt. 5c; oz. 15c; 1/4-lb. 35c; lb. \$1.00.

Culture—A sandy loam is the best soil for the carrot, but any good land, if thoroughly and deeply worked will produce satisfactory crops. Sow as early in the spring as ground is fit to work, though good crops may be grown from sowing as late as June 15. For table use, sow smaller kinds in rows 16 to 18 inches apart, and for field culture prepare the ground thoroughly and sow in drills 18 to 24 inches apart. Cover one-half to one inch deep and see to it that soil is well firmed above seed.

Improved Chantenay—The market gardener's favorite. Tops medium size; necks small; roots tapering slightly but uniformly stump-rooted. Although this is a medium early sort it furnishes roots of usable size as early as any.

Imperator—A fine addition to carrots of the bunching class. It is somewhat longer than Danvers Half-Long but differs from the tapering.

New Coreless—A splendid new carrot. Larger than other early varieties. Crisp, solid, of fine flavor and almost coreless. Grows smooth and uniform.

Danver's Half-Long—Popular on account of its productiveness and adaptability to all soil.

CARROTS FOR STOCK FEEDING

Improved Short White "Mastadon"—Ranks as field carrot, owing to enormous productiveness and ease with which it can be harvested. Roots half long, smooth.

Large White Belgian—This carrot grows a third or more of its length above surface. The root will average 2 inches in diameter at the shoulder and a foot or more in length.

CAULIFLOWER

Pkt. 5c; oz. \$2.00; lb. \$25.00.

Catskill—A New and Superior Cauliflower—A remarkably sure heading early Cauliflower. Is of dwarf habit with short outside leaves and similar in most respects to Early Snowball, nearly as early. Heads when ready for market are of medium to large. Curd is white, exceptionally deep and of finest quality.

Danish Dry Weather Cauliflower—Produces a large, solid, pure white head. In all respects it is a first-class cauliflower, but is especially adapted to dry locations.

Extra Early Quick Silver—The strain imported direct, exclusively for our large market garden trade. Large, handsome heads 8 to 10 inches across, are pure snowy white, very close compact, and of the finest quality.

Henderson's Snowball—Standard early for all purposes. Heads are of medium to large, solid, compact, round, very white and curd-like, and are developed very early.

CELERY—GOLDEN PLUME

Pkt. 5c; oz. 50c; 1/4-lb. \$1.75

Golden Plume or Wonderful—We offer re-selected seed of this splendid new celery. It resembles Golden Self Blanching in crispness and flavor, but is larger and ranker grower, earlier, blanches sooner, is more resistant to blight.

Golden Self-Blanching, new strain—Plants grow very tall and weigh very heavy. Stalks are wide, rather flat, while quality is extra fine, being more free of strings than old strain.

Golden Yellow Self-Blanching—This is no doubt best celery for early Spring market. The plants are yellowish green color when young, but as they mature inner stems and leaves turn a beautiful golden yellow, which adds much to their attractiveness and makes the work of blanching much easier.

White Plume—Leading white celery. Handsome crisp sort, very easily cultivated. Naturally stalks and portions of inner leaves and heart are white. Earliest celery known.

Pkt. 5c; oz. 25c; 1/4-lb. 60c; postpaid.

CELERAIC or TURNIP-ROOTED CELERY

Celeraic or Turnip-Rooted Celery—Pkt. 5c; oz. 25c; Postpaid.

CHIVES—Schnittlauch

Per bunch, postpaid, 15c; Chives seed pkt. 10c.

CHICORY

Large-Rooted or Coffee — Pkt. 5c; oz. 25c; 1/4-lb. 50c; lb. \$1.50.

Witloof (French Endive)—Seed sown in spring produces long, thick roots by November.

COLLARDS

A loose-leaved cabbage or kale-like plant grown mostly in South, used for greens. Culture similar to cabbage. Pkt. 5c; oz. 20c; Postpaid.

CRESS

Fine Curled Peppergrass — Quick growing, finely cut and feathery, like good parsley. Growth dwarf, compact; ornamental; crisp, pungent; very refreshing. Pkt. 5c; oz. 20c; 1/4-lb. 50c; lb. \$1.50; Postpaid.

Water Cress—Highly esteemed as a salad during spring and fall, also used as garnish for meats during winter. Pkt. 5c; oz. 35c.

CORN SALAD

Large Seeded—Sow in spring in drills 1 foot apart; will mature in 6 or 8 weeks. For winter and early spring use sow in drills in August and September. Pkt. 5c; oz. 15c; 1/4-lb. 35c.

SWISS CHARD

New Savoyed Leaf "Lucullus"—An improved variety about 2 1/2 feet high. Heavy stalks are

over an inch thick and bear for more than a foot of their length. Leaves make the finest of greens. Pkt. 5c; oz. 10c; 1/4-lb. 30c; lb. \$1.00.

CORN—Sweet or Table Varieties

Pkt. 10c; 1/2-lb. 20c; lb. 30c; 5-lbs. \$1.25.

Improved Golden Bantam—We do not hesitate to recommend this new sweet corn to our customers. It is extremely early, almost two weeks ahead of Golden Bantam. The large ears are always well filled with 12 rows of large, plump, yellow, sweet grains.

Golden West—A selection from the original strain of Golden Bantam and is earlier than Golden Bantam. Produces larger ears and has a more vigorous growth.

Golden Early Market—A recent introduction. On account of its extreme earliness (almost two weeks ahead of Golden Bantam) it brings fancy prices. The ears are large and quality equal or superior to any other of the real early varieties.

Golden Bantam—It is early; the stalks are sturdy and grow four or five feet high. The ears are eight rowed, six to seven inches long, and the kernels are large, exceptionally rich and sweet, and of a beautiful golden color.

Early Evergreen—This fine variety is 10 to 12 days earlier than Stowell's Evergreen and yields large, handsome 10 to 12-rowed ears.

Golden Giant—Grown and bred in New England where it is pronounced the sweetest corn ever eaten. The stalks grow 4 1/2 to 6 feet tall and produce two to three ears each; ears 7 to 9 inches.

Stowell's Evergreen—A standard late variety of fine quality, very tender and sugary, remaining a long time in edible condition.

CUCUMBERS

Prices on Cucumbers

Pkt. 5c; oz. 20c; 1/4-lb. 60c; lb. \$2.00.

NEW DELTUS

New Deltus—This remarkably fine variety is suited for growing under glass as well as outdoors. The fruits are uniformly large, from 12 to 14 inches in length, rich dark green color and blunt ends.

PRIDE OF OREGON

Pride of Oregon—A really sensational novelty. In our opinion the best new cucumber ever introduced, compared with other extra long white spine cucumbers.

Davis Perfect Cucumber—A very early, handsome and well shaped cucumber, bringing fancy prices in the market, and often mistaken for hot-house grown.

Long Green Cucumber — Vines vigorous and productive. The fruits are very long, often 12 to 15 inches when mature, slender and of beautiful dark green color. Excellent for both slicing and pickles.

White Spine Cucumber—The fruits are dark green, about 7 inches long when mature, and the flesh is crisp, tender, excellent quality.

Boston Pickling Cucumbers—A very productive variety extensively grown for pickles. The fruits are of medium size, bright green, smooth and symmetrical.

Lemon Cucumbers—The vines produce prolifically dainty little cucumbers resembling lemons in both form and color and having a delicious and distinctive flavor.

Japanese Climbing Cucumber — Fruit very long and slender; the skin smooth and dark green; flesh pure white, crisp and of mild flavor. The vines should be trained over a trellis.

EGGPLANT

Pkt. 5c; oz. 60c; 1/4-lb. \$1.75

Black Beauty—Rich purple-black in color and a remarkable market variety. Is early; also a fine sort for home garden.

New York Improved Large Purple—The principal market variety. Plants are large and spreading; fruit large and of deep rich purple.

ENDIVE

Pkt. 5c; oz. 10c; ¼-lb. 35c; lb. \$1.25.

Broad Leaved Batavian or Escarolle—This has broad thick leaves. It is used in the natural state as a salad or as a boiling-green to be cooked like spinach.

Green Fringed—This has very curly leaves, the mid-ribs being white. After blanching the leaves make a delicious and appetizing salad.

Giant Fringed — Large green fringed leaves. Popular on the market.

White Curled—Very attractive; frequently does not require tying up.

KALE or BORECOLE

Dwarf Curled Scotch—Long plume-like leaves with edges finely cut. Pkt. 5c; oz. 15c; lb. \$1.25.

Tall Green Curled Scotch—Height 2½ feet. The finely cut leaves are pulled from the stalks as needed. Pkt. 5c; oz. 15c; ¼-lb. 50c; lb. \$1.25.

KALE FOR FEEDING

Jersey Kale — Large, heavy, massive plants with giant, broad leaves. It gives enormous production and is becoming very popular for feeding. This variety produces by far the largest crop. We offer seed of our own growing. Pkt. 5c; oz. 15c; ¼-lb. 40c; lb. \$1.00; 3 lbs. or more 90c; postpaid.

Giant Marrow—Thick and fleshy leaf stalks yielding a very large supply of green food. Excellent for chickens. Pkt. 5c; oz. 15c; ¼-lb. 50c; lb. \$1.75.

COW OR THOUSAND HEAD KALE

Plants in Season

The great demand for this wonderful forage plant proves it to be the most valuable green feed for Pacific Coast dairy and stockmen. Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 50c.

KOHL RABI

Early White Vienna—The standard variety. Pkt. 5c; oz. 15c; ¼-lb. 60c; lb. \$2.00.

Early Purple Vienna—Differs from preceding only in color. Pkt. 5c; oz. 15c; ¼-lb. 60c; lb. \$2.00.

LEEK

Seed should be sown in June and the plants should stand 6 inches apart in rows 2 feet apart. As the plants attain full growth draw soil up about the stems as this not only blanches the stalk, but also gives a more tender quality.

American Flag—The favorite variety. Pkt. 5c; oz. 20c; ¼-lb. 60c; lb. \$2.00.

Carentan—The largest variety, although stems are not so long. Pkt. 5c; oz. 20c; ¼-lb. 60c; lb. \$2.00.

HERB SEEDS

Packet 5c each.

Anise—Annual. Seeds have medicinal value.

Balm—Perennial. Leaves used for medicine.

Basil, Sweet—Annual. Culinary herb.

Caraway—Perennial. Seeds used for flavoring.

Catnip—Perennial. Used for flavoring.

Coriander—Annual. Seeds used for flavoring.

Dill—Annual. Seeds used for flavoring.

Horehound—Perennial. Used in cough medicine.

Lavender—Perennial. Leaves used for perfume.

Sage—Perennial. Leaves used for seasoning.

Summery Savory—Annual. Used for seasoning.

Sweet Marjoram—Annual. Used for seasoning.

Thyme—Perennial. Leaves used for seasoning.

LETTUCE

Pkt. 5c; oz. 10c; ¼-lb. 40c; lb. \$1.25.

Early Prize Head — A large clustering, non-heading lettuce. Leaves finely curled and crumpled, bright green tinged with brownish-red, very crisp, tender and sweet.

Simpson's Early Curled — A very extensively used early loose-leaved or clustering variety. Leaves light green, slightly frilled, crisp, sweet and tender.

Early White Cos—"Salad Romaine" or Celery Lettuce. Heads tall and circular. As a salad lettuce it is highly esteemed for its fresh crispness and mild flavor. Pkt. 5c; oz. 10c; ¼-lb. 40c; lb. \$1.25.

New York No. 12 Improved—A very popular head lettuce with the market gardener. We can recommend this as being the very best head lettuce. Heads grow to a remarkable size. Pkt. 5c; oz. 15c; ¼-lb. 40c; lb. \$1.25.

Hanson—Improved hard heading stock. A very popular head lettuce. We can recommend this as one of the very best. Pkt. 5c; oz. 10c; ¼-lb. 40c; lb. \$1.25.

New Iceberg—This is a beautiful lettuce, the quality of which is simply perfect. The large, curly leaves, which cover outside of the solid heads, are of a bright, light green. Pkt. 5c; oz. 10c; ¼-lb. 40c; lb. \$1.25.



New York, or Wonderful—The best head lettuce for market growers. This is the mammoth head lettuce so largely grown for shipment to distant markets, arriving in splendid condition. The immense heads are solid, heavy, beautifully blanching to a creamy white with bright green outer leaves. Pkt. 5c; oz. 15c; ¼-lb. 40c; lb. \$1.25.

LETTUCE—A Prize for Poultry Keepers

New Chicken Lettuce—Here is a genuine lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When once cut it starts to grow again. Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. \$1.00.

MUSTARD FOR GREENS

Pkt. 5c; oz. 15c; ¼-lb. 35c; lb. \$1.00.

Fordhook Fancy — Plants are of vigorous growth, and have beautiful dark green leaves which curl outward like fine ostrich plumes.

Giant Southern Curled—Large variety forming a great mass of beautiful leaves, which are ruffled and finely curled on the edges. Hardy, vigorous, highly recommended.

White English—Seed yellow and pungent, used for grinding and for flavoring pickles.

MUSHROOM SPAWN

Pure Culture American Spawn — Very best spawn taken direct from the growing culture. There is no change for any "wild" spawn to get mixed in. Bricks weigh 1¼ lbs. Brick 40c, postpaid; by express, 5 bricks \$1.75. Write us for quantity price.

MUSKMELONS

Culture—Plant in hills 4 to 6 feet apart, after frost is past and ground is warm; enrich with well rotted manure; plant seeds just under surface, not too deep. One ounce to 50 hills, 2 or 3 lbs. per acre. Melons thrive best on warm, light soils, but good crops are obtained on heavy ground, if rich and well drained.

Pkt. 5c; oz. 15c; ¼-lb. 40c; lb. \$1.50.

Burrell Gem—Melons 6 to 7 in. long, 4½ to 5 inches in diameter, salmon colored flesh, sweet, tender. Flesh is thick and firm, ripening close to the skin, leaving only a thin rind.

Netted Gem, or Rocky Ford—An old favorite and one of the most popular and best sellers among Rocky Ford melons.

Emerald Gem—Finest for home garden on account of its high quality and extra earliness. Dark green fruit is of medium size.

Hale's Best Muskmelon—No other large melon matures as early as Hale's Best. Even in a season remarkable for its coldness it was ripe in 68 days after planting. Melons are oval, inclined to produce some fruits of somewhat more elongated shape. Beautiful salmon flesh is exceptionally thick and sweet, practically melting in the mouth. Fruits are broadly ribbed and covered with heavy netting.

Hearts of Gold—This is the ideal melon for home garden. Is as round as a ball, heavily netted, very productive, strong growing and free from disease and the flesh is thick, tender, juicy and sweet. We hear some very complimentary things about Hearts of Gold.

WATERMELONS

Pkt. 5c; oz. 15c; ¼-lb. 30c; lb. \$1.00.

Cole's Early—Northern states' favorite. As an early melon it is the standard of high quality; in sugary delicious crispness and flavor.

Kleckley Sweets—It is, without question, the most desirable variety to plant for home use or nearby market. Fruits are very attractive, oblong in form, and have a glossy dark green skin.

"King and Queen"—Winter Watermelon—Valuable winter melon, hardy, a good drought-resister. Ripens every melon in less than 120 days. Keeps for ninety days if not bruised. Shell very hard and melon ripens to within one-eighth inch of it.

Black-Seeded Ice Cream Watermelon—A splendid melon. Does exceptionally well in any soil which grows melons. Almost round, pink meated, black seeded, fine keeper. Drought-resistant, ripens early.

Klondike—For genuine merit the Klondike is surpassed by no other melon. The shape is long and the average weight 20 pounds. Seed being small one pound contains as many as two pounds of most other varieties. Our stock is procured from the introducer who has kept it pure to the original type.

Halbert Honey—An early maturing variety suited to the Northern states; vigorous and very productive. Melons 18 to 20 inches long. Skin dark, glossy green; flesh beautiful crimson, tender, sweet and delicious.

ONIONS

Cover seed lightly. When seedlings are 3 to 4 inches tall thin out according to size of variety. Keep bed weeded and cultivate lightly during the growing season. When bulbs have reached maturity the tops will bend down and the roots must be harvested. Store in a dry, frost-proof room, where fresh air circulates freely. One ounce for 250 feet of drill, 4 to 5 lbs. per acre.

Pkt. 5c; oz. 25c; ¼-lb. 65c; lb. \$2.25.

Oregon Yellow Danvers—This variety is very extensively planted in the Northwest, particularly in Oregon. The largest crop of onions and the best keepers, bring the highest prices in Pacific coast and middle Western markets.

Large Red Weathersfield—The standard variety of red onions. Of large size, rather flat, a heavy yielder and one of the best for keeping.

Prize Taker—This onion has become a great favorite on account of its large size and great solidity. Perfectly globe shaped, with straw-colored skin.

Australian Brown—An extra early, sure cropping variety, with long keeping qualities. A sweet, mild flavored onion.

Southport White Globe—Enormous yielder and superb keeper; perfect globe-shaped, very large, clear white skin and considered one of the handsomest varieties grown. Planted extensively by gardeners for green onions.

White Portugal or Silverskin—Finest flavored of all white-skinned onions. Quite early, half-globe shaped, fine cropper, very firm and an excellent keeper.

White Barletta—Queen—An early white variety; prized for home gardens for pulling green or for pickling. A quick grower, fine mild flavor, excellent quality.

Sweet Spanish—A very large, mild, yellow globe-shaped onion. One of the best for home garden; also an early market Spanish type.

Bunching Onion—Best for early small green onions.

Onions (White Lisbon)—Clear white bunching onion which has proven to be the best for market garden trade. In appearance and taste it has been acclaimed as being far superior to all other white onions. Stems are strong, tops quite small, while white meat has good length, very hardy.

ONION SETS

Note—Onion sets subject to market changes, write for quantity prices. Lb. 20c; 5 lbs. 75c; postpaid.

OKRA or GUMBO

Improved Dwarf Green—Very early, with long, green slender pods. Pkt. 5c; oz. 15c; ¼-lb. 35c; lb. 95c.

White Velvet—The large pods are smooth or very slightly ribbed, remain tender a long time. Pkt. 5c; oz. 15c; ¼-lb. 35c; lb. 95c.

PARSNIPS

Hollow Crown—Well-known popular variety, with long, tapering roots, very smooth and of the finest quality. Pkt. 5c; oz. 15c; ¼-lb. 30c; lb. 80c.

Guernsey—The roots are medium long, with a broad shoulder, gradually tapering downward. White skin is smooth and attractive. Fine grained, tender, and sweet.

PARSLEY

Extra Curled Dwarf, or Emerald—The moss-like leaves, of a handsome bright green color, are finely curled. Pkt. 5c; oz. 15c; 4 ozs. 35c; lb. \$1.00; postpaid.

Turnip-Rooted, or Hamburg—The edible portion is the fleshy root, which resembles a small parsnip, and is esteemed for flavoring soups, stews, etc. Pkt. 5c; oz. 15c; 4 ozs. 35c; lb. \$1.00; postpaid.

GARDEN PEAS

Prices on the following varieties: Pkt. 10c; 1/2-lb. 15c; lb. 30c; 5 lbs. \$1.25; postpaid. Quantity write for special price.

Oregon Beauty—An early dwarf wrinkled pea of superior merit. The vines are rugged and productive. Pods about 4 to 5 inches long, and filled with large, tender peas of delicious flavor. Grows to a height of about 15 to 18 inches. Especially recommended for the home garden and market gardener.

Laxtonia—A new early dwarf, robust large podded pea of superior excellence; growth averaging 16 inches. The large pods well filled, holding 8 to 10 peas. Laxtonia is so highly recommended that you should give it a trial.

Little Marvel — Splendid new dwarf pea for home or market. The dwarf, bushy vines, averaging 15 inches, are loaded with firm square-ended pods 2 1/2 to 3 inches long.

American Wonder—One of the most popular and best of the early wrinkled sorts. A great favorite for family use.

Premium Gem—Our select strain of this splendid variety is one of the earliest and best of the dwarf garden peas.

Alaska or Earliest of All—A smooth, blue pea, of even, vigorous growth and extra early maturity.

Dwarf Gradus—Produces more pods, and larger pods than any other early dwarf pea.

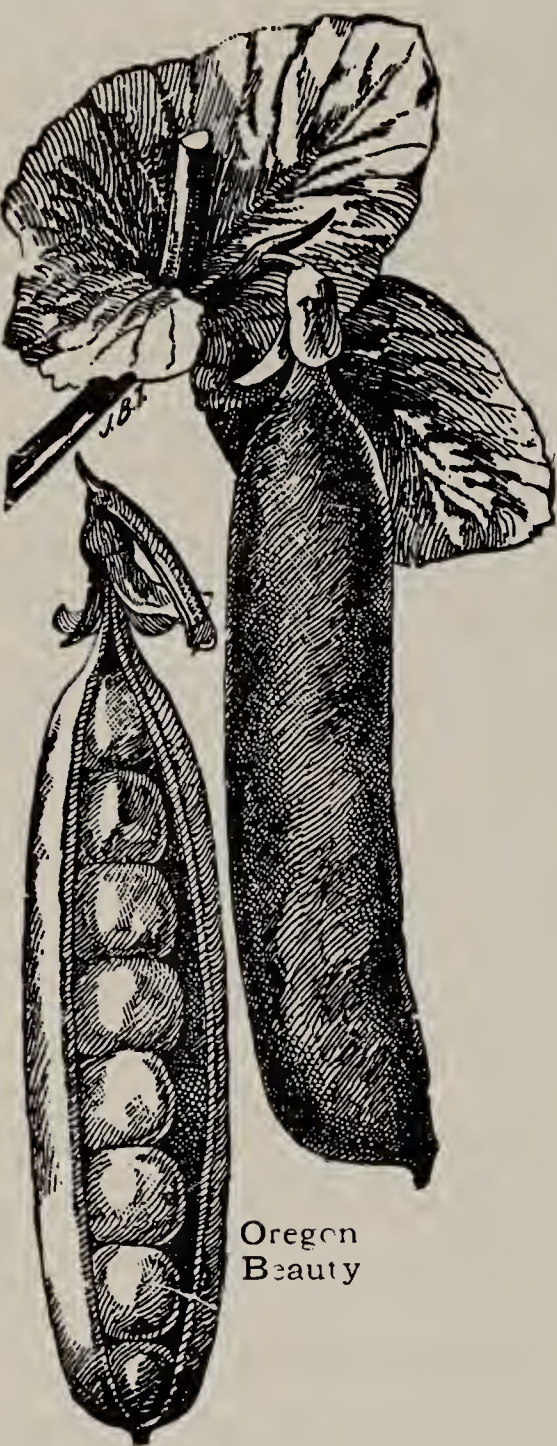
Blue Bantam—The vines measure about 15 inches high and produces freely the bluish-green pods.

Gradus—This early, wrinkled pea bears pods of large size and combines quality with flavor.

WORLD'S RECORD An Excellent Early Wrinkled Variety

The vines, the semi-dwarf, growing about 3 feet high, and the yield, size and quality of the peas are wonderful considering its extreme earliness. The pods are large, dark green, of the Gradus type, and are filled with eight or ten large wrinkled peas, sweet and of fine flavor.

Oregon's Top Notcher—The vines are enormously productive, being completely covered with immense long pods, well filled with from eight to eleven large peas of the richest flavor. This variety grows from four to six feet high and yields a heavy crop, and is far superior to all other sorts. We are sure our customers will agree with us after growing this new pea.



Oregon
Beauty

Alderman—A pea similar to Telephone, but more prolific. Vine is extra vigorous and pods are dark green and always well filled with fine, large peas. Very finest and best pea of this class.

Improved Stratagem—One of the best of large podded peas, pods are of immense size filled with large, dark-green, wrinkled peas of finest quality.

Telephone (tall)—Extra large pods being filled with peas of finest quality, luscious sugary flavor not being excelled by any other variety.

Melting Sugar Edible Pod Pea—Pods are used when half-grown and cooked in same way as snap beans.

PUMPKIN

Pkt. 5c; oz. 10c; 1/4-lb. 30c; lb. \$1.00

Small Sugar—The New England pie pumpkin. Small, bright orange color. Flesh deep, yellow, fine quality, matures early.

Winter Luxury — Enormously productive variety of medium size and superior keeping qualities. Of rounding shape, somewhat flattened; golden orange color with heavy netting. Rich, thick, golden flesh, sweet and tender. The best pumpkin for pies.

Connecticut Field — A fine, large, orange-colored variety used for field culture and stock feeding. Skin is smooth and ribbed and the flesh is brittle and sweet.

PEPPER

Pkt. 5c; oz. 60c; 1/4-lb. \$1.75.

Oregon Sweet Wonder — Fruits dark green, smooth in surface, square in cross section and

very large, usually about 4 inches across and 4 1/2 to 5 inches in length.

Chinese Giant—Rich, deep green when immature, bright scarlet red when ripe. Flesh thick, mild and sweet.

Red Chili—A rather small, bright-red variety, about 2 inches long, and pointed. The pods are used in making Chili sauce, and very pungent and hot.

Long Red Cayenne—Strong, pungent variety having long, pointed fruit, which is bright scarlet when ripe. Well known, popular variety.

RADISHES

Pkt. 5c; oz. 10c; 1/4-lb. 30c; lb. 85c.

Scarlet Turnip, White Tipped—A beautiful variety; deep scarlet, with pure white tip. Very early, crisp and delicious.

Sparkler—A French grown variety similar to the above but the whole lower half is pure white, upper half bright scarlet.

Early Scarlet Turnip — Small top; of quick growth, mild and crisp. Very popular.

French Breakfast—Very popular; crisp, tender and mild; grown about 2 inches long, stump rooted, tipped white.

Scarlet Giant (Crimson Giant) — The largest early scarlet, globe shaped radish. Flesh sparkling white, solid, crisp, juicy and mild.

White Icicle—It is not only crisp and tender when young, but retains these qualities until the roots attain large size.

Long Bright Scarlet, White Tipped — The brightest and handsomest long scarlet radish. Of excellent quality.

WINTER RADISHES

Pkt. 5c; oz. 10c; 1/4-lb. 30c; lb. 85c.

The merits of Winter Radishes are little appreciated. These grow to large size and keep well for winter and spring use. Sow seed in July and August. Early planting is not advisable.

California Mammoth White China Radish — A very large winter radish, sometimes growing eighteen inches long. Pure white, very solid, crisp and tender.

China Rose Winter Radish—A winter growing 4 to 5 inches long.

Round Black Spanish Radish—The roots are round or top-shaped, 3 to 4 inches in diameter. The skin is black, the flesh is white.

Long Black Spanish Radish — One of the largest and hardiest of winter radishes. The roots grow 7 to 9 inches long.

Sakurapima Radish—The mammoth radish of Japan, the largest in cultivation, often weighing 20 to 30 pounds. The flesh is very solid, firm and brittle. Can be eaten raw or cooked as a vegetable.

RHUBARB or PIE PLANT

Per pkt. 5c; oz. 20c; 2 ozs. 35c; 1/4-lb. 50c; lb. \$1.50.

Rhubarb Roots, by express not prepaid, 10c each, \$1.00 per dozen, by mail, prepaid, 15c each, \$1.50 per dozen. Write for special quotations on large quantities.

SALSIFY or VEGETABLE OYSTER

Sandwich Island Mammoth—This grows uniformly to an extra large size. Pkt. 5c; oz. 15c; 1/4-lb. 50c; lb. \$1.50.

SPINACH

Prices on the following varieties: Pkt. 5c; oz. 10c; 1/4-lb. 20c; lb. 50c; postpaid.

New Giant Smooth Leaf—The largest and the most productive of any sort we have tried. Plants 20 inches across are not uncommon on good soil. The leaves are simply immense.

New Zealand Spinach — A distinct type of spinach and unlike other spinach, it thrives during hot weather. The plant is very large.

Thick Leaved Improved Spinach — Medium early rapid growing variety, forming large, thick, slightly crumpled, deep green leaves of good quality.

Longstanding—A comparatively late variety, but remaining a long time in condition for use.

Prickly Winter Spinach—A late, hardy variety, usually sown in fall for winter use.

Amsterdam Giant—This variety is very popular and we have a fine strain of Holland grown seed. The leaves are broad and smooth and of medium deep green.

TOBACCO

Culture—Practically same as cabbage.

Havana or Connecticut Seed Leaf—Both good, hardy varieties for general planting here. Pkt. 5c; oz. 75c.

POTATOES

We offer a few varieties that we recommend.

5 lbs. 40c; 10 lbs. 75c; postpaid. Write for quantity prices.

"Earliest of All"—Its quick growth and early maturity combined with its excellent cooking qualities, makes it very valuable.

Early Rose—This variety has been a great favorite for many years and many growers still claim that it has never been excelled.

Improved Burbank—The standard and most popular.

American Wonder—One of the best all-around white potatoes, very popular for early main crop.

OTHER VARIETIES—If you want any other kind, state variety and quantity wanted and we will quote prices on such market stock as is obtainable.

SQUASH

SUMMER VARIETIES

Pkt. 5c; oz. 10c; 1/4-lb. 35c; lb. \$1.25

New Squash Table Queen — This squash is ready before the Hubbards and yet stores equally well. The color is dark green, changing to bright golden after picking and storing.

White Bush—The best summer sort for the home garden or market, very productive and good size.

Giant Summer Crookneck—The flesh is a rich golden yellow, the quality and flavor of which is the very best.

Giant Summer Straightneck — An excellent selection from the Crookneck Squash but with a comparatively straight neck, this being more easily packed for shipment.

WINTER VARIETIES

Improved Hubbard—The best and most popular variety on our list. Rind dark green, warty and very hard. Flesh light orange, very dry, sweet and rich flavored. Has no superior. Long keeper.

Golden Hubbard—The same in size, shape and quality as the well-known Hubbard Squash, except that it is bright red or golden color, and somewhat earlier. Good keeper.

Boston Marrow — Skin yellowish, very thin, flesh dry and fine grained, of unsurpassed flavor.

Sibley or Pike's Peak—Shell smooth, thin and of a pale green color, the flesh is thick, solid, deep orange color, very dry, fine grained.

The Delicious—For quality. A squash of exceptional merit for table use. A fall and winter variety, but is fine for all seasons.

Banana Squash—Grows from 1 to 2 feet in length. Flesh firm and solid, of beautiful orange-yellow, and excellent quality.

Mammoth Chili — Largest of all squashes, growing to an enormous size, often weighing over 200 pounds.

TOMATO

Pkt. 5c; oz. 35c; 1/4-lb. \$1.00; lb. \$3.50.

The New Marglobe Tomato—The new rust resisting variety. The market gardeners consider this to be the best variety ever introduced and will bear until frost.

Chalk's Early Jewell — Large, bright red, smooth, round fruits, colored evenly up to the stem, solid, almost seedless, fine flavor.

Beefsteak Tomato—This is largest of all bright red tomatoes. In many ways is similar to Ponderosa, but color of skin is a rich scarlet red.

Oregon's Favorite (Market Gardeners' Special) —Our special strain of this first early tomato is not only earlier than ordinary Earliana, but fruit is perfectly smooth, very solid, ripens bright deep scarlet right up to stem.

Bonny Best — Has given splendid results wherever tried and being early, hardy, very productive.

Spark's Earliana—One of earliest tomatoes, large, uniform size and beautiful red color. Ripens thoroughly all over.

Ground Cherry or Husk Tomato — Grows to great perfection under ordinary culture, yielding abundantly, very much prized for preserving, should be in every garden. Pkt. 5c; oz. 50c.

"Burbank" Tomato—The originator describes it as the early, smoothest, most productive and best early tomato.

TURNIPS

Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c.

EARLY GARDEN TURNIPS

Early Purple Milan—This variety is ready for table sooner after planting than any other yet introduced. Top small, erect, strap-leaved, bulb a deep purple above.

Early White Milan—Same as Purple Top Milan, but pure white, sweet and tender, best early market variety.

Early Snowball—Early round turnip, maturing in 7 weeks, is of perfect form, snowy whiteness, crisp, solid, fine flavor.

Golden Ball — Undoubtedly one of the most delicate and sweetest yellow fleshed turnips yet introduced. Not of large size, but firm, hard and most excellent flavor. Keeps well.

MAIN CROP TURNIPS

Pomeranian White Globe — One of the most productive kinds, and in good, rich soil, roots will frequently grow to 12 pounds in weight.

Purple Top White Globe — A large, globe-shaped variety, purple above ground. It is handsome and of excellent quality.

Large White Norfolk—A white variety, usually attaining a very large size. Extensively grown for stock feeding.

Yellow Aberdeen—Round, medium size, light yellow. Produces a large crop, is hardy and keeps well, flesh very firm but tender and sweet. A great favorite with the dairymen.

Cowhorn — Sometimes called long white. Slightly crooked. Pure white except a little shade of green at the top. Grows half out of the ground and is of very rapid growth.

RUTABAGAS

For feeding stock in fall and winter there is nothing superior to turnips or rutabagas. They are much liked by all kinds of stock and serve to keep them in good condition. A profitable crop.

Improved American Purple Top—The leading variety, large, immense yielder. Superior in every way. Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c.

Monarch or Tankard—Very solid, fine grained, of fine flavor, grows well out of the ground and yields large crops. Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c.

VEGETABLE PLANTS

We grow large quantities of vegetable plants, and can supply all the kinds listed below in their proper season, in most any quantity. We have made arrangements this year so that we can supply all vegetable plants in two grades. If you want a quantity of plants write us early.

Transplanted plants are much stronger and better rooted, and are well worth the price especially in the early part of the season. We can supply most any of the leading sorts. No plants sent C. O. D.

All prices are subject to crop conditions and market changes.

Cabbage—Transplanted and “pulled” plants in all standard varieties. Early and late at season-

able times. Postpaid Not Postp'd

	Doz.	100	100	1000
Transplanted	\$.20	\$1.00	\$.75	\$7.00
Not transplanted.....	.15	1.00	.75	6.00

Kale—When you order Kale be sure to state whether you want garden kale or cow kale.

	Doz.	100	100	1000
Thousand Head				
Cow Kale	\$.20	\$1.25	\$1.00	\$6.00
Garden or Curly.....	.25	1.25	1.25	10.00

Special prices on large lots in season.

Broccoli—Our famous “St. Valentine” Broccoli should be in every garden. Broccoli is a winter cauliflower, very hardy and of finest quality. “St. Valentine” is best variety, plants can be set after June and are ready to use in March.

	Doz.	100	100	1000
Broccoli	\$.25	\$1.25	\$1.00	\$8.00

Write for prices on large lots. We will grow them to your order.

Sweet Potato Plants—Sweet Potatoes can be successfully grown in most sections. Plants should be set out after the ground is warm. Rich, sandy bottom land is best, but any good garden soil will give good returns.

	Doz.	100
Seasonable delivery	\$.25	\$1.50

Cauliflower—Cauliflower seed is scarce and high in some varieties and plant prices subject

	Doz.	100
Early varieties, transplanted..	\$.25	\$1.50
Not transplanted .....	.20	1.00
Late kinds, transplanted.....	Write for prices	
Late kinds, not transplanted.....	Write for prices	

Celery—Fine, healthy plants in early winter varieties furnished in season or grown to order. To succeed with celery keep the plants growing constantly while young—if they “stand still” they are liable to run up to seed later.

	Doz.	100	100	1000
Transplanted	\$.25	\$1.00	\$.75	\$7.00
Not transplanted.....	Write for prices			

Tomatoes—Tomato plants should not be set out before weather is settled and ground warm, unless they are protected from frost. If you do not know what variety is best, tell us, we will give you the right one.

	Doz.	100	100
Transplanted	\$.25	\$1.25	\$1.00

Brussels Sprouts—These are very hardy and should be grown the same as kale or broccoli.

	Doz.	100	100
Brussels Sprouts	\$.25	\$1.50	\$1.25



ASTERS

One of the easiest and most satisfactory summer and fall flowers to grow.

Improved Giant Crego—Most beautiful and desirable aster we have ever seen, very hardy, free-flowering and one of the best for general planting. Pure white, shell pink, rose pink, purple, crimson, lavender or mixed. Pkt. 10c

Special—1 packet of each 6 colors only 50c.

California Giants—New variety of real merit. Of immense size and beauty, long, sturdy stems. White, peach blossom, light blue, deep rose, dark purple or finest mixed. Pkt. 10c

Heart of France—Heart of France opens red as the ruby, and retains its remarkable beauty to the very end. Flowers are large and full. Pkt. 10c

Hardy Perennial Asters (Michaelmas Daisy)—One of the showiest of our late-flowering perennials, giving a wealth of bloom during September and October. Pkt. 10c

Acrolinium — Hardy annual, with everlasting flowers, good for cutting, flowers double. Pkt. 10c

AGERATUM

Half-hardy annuals, especially well adapted to edge large beds of geraniums.

Mexicanum—Sky blue.....Pkt. 10c

Album—Pure white.....Pkt. 10c

Finest Mixed—All colors.....Pkt. 10c

AGROSTEMMA

A free flowering hardy perennial of easy culture, producing the first season crimson flowers resembling a single pink. The foliage is silvery white, height 2 feet. Pkt. 10c

ALYSSUM

One of the most popular hardy annuals, used especially for edging and also valuable for cutting on account of fragrance of flowers.

Sweet—Pure white; 6 inches; June to November. Pkt. 10c

Little Gem—The dwarfest and best for design bedding, plants very compact, bushy and grow only 3 or 4 inches high. Pkt. 10c

Lilac Queen—Dwarf, compact, lilac flowers. Pkt. 10c

Procumbens (Carpet of Snow)—A new and very select strain, carefully selected. Plants very spreading and only about 2 inches tall. Blooms are massed completely hiding foliage. Pkt. 10c

Saxatile Compactum (Gold Dust)—Hardy perennial, yellow flowers, April to June, height 9 to 12 inches. Pkt. 10c

AMARANTHUS

Caudatus (Love-Lies—Bleeding) — Hardy annual, ornamental foliage plant, fine for bedding, green foliage with long, drooping crimson racemes, 2 feet. Pkt. 10c

Tricolor (Joseph's Coat) — Ornamental; for foliage only; red, yellow and green. Pkt. 10c

ANTIRRHINUM (Snapdragon)

Among the most popular bedding plants; the richness and diversity of colors.

Black Prince—Even wine-maroon.....Pkt. 10c

Silver Pink—Large, tall, pink.....Pkt. 10c

Golden Queen—Rich yellow.....Pkt. 10c

Canary Bird—Light yellow, 15 in.....Pkt. 10c

Snowflake—Pure white, yellow tube.....Pkt. 10c

Nelrose—Salmon pink.....Pkt. 10c

Dwarf Mixed.....Pkt. 10c

Special Mixed.....Pkt. 10c

ARABIS (Rock Cress)

Alpina—Hardy perennial, pure white flowers in close head; excellent for edging rock work or dry situations; 6 inches; April to June. Pkt. 10c

ANEMONE (Wind Flower)

St. Brigid—Double and semi-double flowers in a wonderful array of colors; perennial; 1 foot. Pkt. 15c

ASPARAGUS

Plumosus Nanus — A graceful pot plant for either house or conservatory.

Pkt. 10c; 100 seeds \$1.00

Sprengeri—Drooping foliage; adapted for hanging baskets or cutting. Pkt. 10c; 100 seeds \$1.00

ANCHUSA (P)—Italica—Dropmore

A splendid free blooming plant for hardy borders. Pkt. 10c

AQUILEGIA (Columbine)

Hardy perennials are most elegant plants and invaluable for cutting or as hardy border flowers; beautiful and graceful; June to September; 2 to 3 feet.

Long Spurred—Superb mixture of all the most desirable shades.....Pkt. 10c

Single—Finest mixed.....Pkt. 10c

Double—Finest mixed.....Pkt. 10c

Chrysantha—Golden yellow.....Pkt. 15c

Coerulea—Violet blue and white.....Pkt. 15c

ARMERIA (Thrift Sea Pink)

Grand plants for crevices of wall and rocks, also for growing in flower borders or as permanent edgings; excellent plants for the sea coast. June to July.

Lauchena — Six-inch crimson flowers, deep green tufty foliage. Pkt. 10c

BACHELORS BUTTON (Centaurea Cyanus or Corn Flowers)

A hardy annual, easily cultivated. Produces handsome flowers of a great variety.

Fine Single Mixed.....Pkt. 10c

Fine Double Mixed.....Pkt. 10c

Double Blue Florist Strain.....Pkt. 10c

Double Pink Florist Strain.....Pkt. 10c

BALLOON VINE

A rapid growing climber. Blossoms very small and white. Light, graceful foliage. Pkt. 10c

BALSAM ("Lady Slipper")

Handsome plants, producing masses of various colored flowers, half hardy.

Double Camelia Flowered—Mixed. Pkt. 10c

BLUE LACE FLOWER (Dediscus)

Covered with clusters of tiny petaled flowers, giving the effect of dainty lace. The color is an exquisite light blue. Pkt. 10c

CANTERBURY BELLS (G) (Campanula)

Very ornamental garden plants, growing 2½ feet high, producing large, nodding and charming bell-shaped flowers.

Medium Single—Blue, rose, white or mixed. Pkt. 10c

Calycanthemum (Cup and Saucer)—White, pink, light blue or mixed. Pkt. 10c

Persicifolia (P)—Very fine, blooms in June. Blue or white. Pkt. 10c

Pyramidalis (P)—Stately, hardy plant for pot culture or garden. Blue. Pkt. 10c

CANDYTUFT (Iberis)

One of the most highly prized annuals for beds or masses, very useful for cutting.

Umbellata Type — Carmine, flesh pink, rose cardinal, crimson, lavender, white, mixed. Pkt. 10c

Coronaria—Giant white hyacinth flowered. Pkt. 10c

CALENDULA (Pot Marigold)

Colors range through yellow, orange and gold; 1 to 2 feet tall. Plant in early spring in open ground.

The Ball—It has fine stems, immense double flower of a brilliant glisteny orange. Pkt. 10c

Lemon Queen—A select strain, large double flowers, sunflower yellow. Pkt. 10c

Orange King (Grandiflora) — An excellent strain large, double flowers, rich dark orange. Pkt. 10c

CARDINAL CLIMBER

Considered most beautiful and brilliant annual climber. Strong and rapid grower, with fern-like foliage literally covered with a blaze of circular cardinal red flowers from mid-summer until frost. Annual. Pkt. 10c

CARNATION

Splendid for cut flowers, deliciously fragrant. Pink, white, and red.

Chabaud Everblooming—Extra choice double mixed. Flowers in 5 to 6 months after sowing. Pkt. 15c

Double Grendadin — Comes into bloom very early and the charming double, scarlet flowers are very valuable for forming bouquets. Red, white, yellow. Double Mixed Pkt. 15c

Margaret—Finest double mixed. Bloom in four months from seed. Pkt. 10c

Giant or Malmaison—Mixed. Pkt. 15c

CASTOR BEAN (Ricinus)

Tropical appearing foliage plant. Highly ornamental, of stately growth, large leaves of bronze or glossy green. Should not be planted until soil is warm. Grows 3 to 5 feet tall.

Sanguineus—Brilliant scarlet stems and fruit. Pkt. 10c

Zanibariensis—Surpasses all in size and beauty of colors. Mixed. Pkt. 10c
Mixed—Best varieties. Pkt. 10c

CELOSIA CRISTATA (Cockscomb)

Very attractive and showy, producing massive heads of deeply colored flowers.

Cockscomb Tall Mixed Pkt. 10c
Dwarf Fine Mixed..... Pkt. 10c

CELOSIA PLUMOSA (Feathered)

Large plummy heads. For pots or open ground. Keeps well when cut. 1 to 2 feet tall.

Finest Mixed Pkt. 10c
Childsii (Chinese Wool Flower) — A unique form of the feathered cockscomb, growing 2 to 3 feet high. Pkt. 10c

CENTAUREA

Sweet scented flowers on long, strong stems. Will last several days when cut.

Cyanus—Double, blue, pink shades..... Pkt. 10c
White—Mixed Pkt. 10c
Single—Mixed Pkt. 10c
Imperialis (Giant)—White, purple, rose deep lavender, and mixed. Pkt. 10c
Suavcolens (Yellow Sweet Sultan)..... Pkt. 10c
Moschata—Mixed Pkt. 10c
Canardissima (Dusty Miller)..... Pkt. 10c

CHRYSANTHEMUM

These are very showy flowers of easiest cultivation, flowering from July to frost; excellent for cutting; 2 feet high.

Single Annual—Finest mixed..... Pkt. 10c
Double Annual—Finest mixed..... Pkt. 10c

CINERARIA (B)

Hybrida—Grandiflora. Choicest mixed. Pot plant. Pkt. 25c

CANARY BIRD VINE

A rapidly-growing summer-climbing annual, 10 to 15 feet high; it will cover trellis work in the most graceful manner, producing hundreds of pretty winged, bright yellow flowers. Pkt. 10c

CLARKIA

Hardy annual of easy growth, produces a fine effect massed in beds, bright and attractive. Fine for cutting. Does well in shade. Sow early in open ground. 1 to 2 feet tall.

Elegans Double

Chamois—With touch of pink..... Pkt. 10c
Scarlet Queen Pkt. 10c
Salmon Queen Pkt. 10c
White Pkt. 10c
Fine Mixed Pkt. 10c

COBAEA SCANDENS (Plants in Season)

A handsome, rapid growing, climbing plant having large, bell-shaped flowers.

Purple Pkt. 10c
White Pkt. 10c

COIX LACHRYMAE (Job's Tears)

A broad-leaved, ornamental grass, having large, tear-shaped, hard shining, pearl-gray seeds. Plant in prepared seed bed in open, transplant. Oz. 10c

COLUMBINE (P) (Aquilegia)

Universal favorite for hardy borders and beds, for no other plant has so airy a grace nor is more generous of its blooms or more effectively adapted for cut flowers.

Single Mixed	Pkt. 10c
Double Mixed	Pkt. 10c
Long Spurred Varieties.....	Pkt. 15c
Skinneri—Scarlet, tipped white.....	Pkt. 15c

COREOPSIS (P) (Lanceolata)

Large, showy, bright yellow flowers produced in great abundance. Pkt. 10c

CYPRESS VINE (Ipomoea Quamoclit)

Climber with rapid growth. Has delicate fern-like foliage and great numbers of star-shaped blossoms. Pkt. 10c

DAHLIA (P)

Will bloom first season. Tuber of the best ones may be saved for following season.

Double Mixed	Pkt. 10c
Single Mixed	Pkt. 10c
Cactus—Flowers odd and fantastic in shape; colors. Finest mixed.	Pkt. 10c

COSMOS

Beautiful autumn blooming plants producing thousands of artistic flowers in pure white, pink, and crimson shades.

Extra Early Mammoth Flowering — Crimson pink, white.	Pkt. 10c
Finest Mixed	Pkt. 10c
Extra Early Double Crested—	
Crimson King	Pkt. 10c
Pink Beauty	Pkt. 10c
White Queen	Pkt. 10c
Klondyke—Blooms very early and continuously; 3 to 4 feet high; flowers large, orange, borne on long stems.	Pkt. 10c
Late Flowering Double—Mixed.....	Pkt. 10c

DAISY (P) (Bellis Perennis)

Popular low-growing plant bearing beautiful flowers. Hardy perennial.

Extra Double—Mixed	Pkt. 10c
Longfellow—Double, dark red.....	Pkt. 15c
Giant Double Montrosa—Dark red, white, rose-pink, or mixed.	Pkt. 15c
Double Quilled—Rosy Pink	Pkt. 15c
Shasta Alaska—Very hardy; profuse bloomers; flowers very large and borne on long stems, single; petals pure glistening white, dark center.	Pkt. 10c

DATURA

Large, strong-growing plants, trumpet-shaped flowers, white, sometimes tinted with blue. Double mixed. Very fragrant. Pkt. 10c

DELPHINIUM (P) (Larkspur)

Profuse blooming plants, their tall spikes of many colored flowers produce a striking effect when planted in groups.

Wrexham Strain — A wonderful long-spiked large flowered type of hardy Larkspur. Pkt. 15c

Belladonna—Very free and continuous bloomer; delicate and beautiful; clear light blue, large flowers; 4 feet. Pkt. 10c

Bellamosum—A rich, deep blue form of the popular light blue Belladonna, having same free-blooming and other qualities. Pkt. 10c

Cardinale—"Scarlet Larkspur," a native California species with long spikes of scarlet flowers. Pkt. 10c

Vanderbilt Hybrids—A California novelty of charming beauty, immense flower stalks with great heads of bloom tapering to tip. Pkt. 10c

DIGITALIS (B) (Fox Glove)

A tall growing biennial with large leaves and spikes of vari-colored and spotted flowers.

Gloxiniflora—Mixed	Pkt. 10c
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DIMORPHOTHECA AURANTIACA

(Orange African Daisy)

Extremely showy annual with bushy plants 12 to 15 inches high. Pkt. 10c

EUPHORBIA

Branching, bushy plants with smooth glossy leaves of various colors. Suitable for beds or borders.

Variegata (Snow on Mountain).....	Pkt. 10c
Heterophyllia — Painted leaf. Annual poinsettia; 3 feet.	Pkt. 10c

FORGET-ME-NOT (P) (Myosotis)

Beautiful spring favorites of easy growth, bearing clusters of lovely, small flowers.

Alpestris—Of trailing habit, with pretty flowers. Blue or mixed. Pkt. 10c

Victoria — Flowers large, bright azure blue; fine for borders. Pkt. 10c

Semperflorens — Dwarf; continuous bloomer; blue. Pkt. 10c

FOUR O'CLOCK (Mirabilis Jalapa)

Marvel of Peru—Easy culture, bearing a profusion of bright flowers of various shades. Flowers open at 4 o'clock, close in the morning. Sow seeds early in the open and transplant. Pkt. 10c

GAILLARDIA (Blanket Flower)

Very showy garden plant, with brilliant flowers free blooming from early summer until autumn.

Lorenziana—Double; finest mixed; annual. Pkt. 10c

Grandiflora Maxima (P) Pkt. 10c

GERANIUM (P)

Zonale—Extra choice, single mixed, the well-known bedding Geranium. Pkt. 10c

Lady Washington (Pelargonium) — Foliage green; flowers large. Finest mixed. Pkt. 15c

GEUM (P) (Chiloense)

Hardy, free-blooming plants. Fine for bouquets. Flowers crimson, double. Blossoms all summer. 8 to 12 inches high.

Mrs. Bradshaw—Scarlet Pkt. 10c

Lady Stratheden (Golden Ball) — Flowers loosely double; a delightful shade of golden yellow. Pkt. 10c

GODETIA

Profuse and constant bloomers, compact and bushy in growth. Colors rose, crimson, white and pink. Sow seeds indoors in boxes and transplant. Succeeds in poor soil. 1 foot high.

Dwarf—Fine mixed.	Pkt. 10c
Gloriosa—Dark red	Pkt. 10c
Duchess of Albany—White	Pkt. 10c

GOURDS

Gourd climber. For covering verandas and trellis work; rapid growth, bearing fruits of curious shapes. Plant after soil is warm. 10 to 20 feet high.

Calabash	Pkt. 10c
Mixed Varieties	Pkt. 10c

GYPSOPHILIA (P) (Baby's Breath)

A pretty, free-flowering plant. Fine for bouquets.

Paniculata Fl. Pl. New—About 30% double. White flowers. Hardy. Pkt. 15c

Elegans Alba Grandiflora — Hardy annual, easily grown from seed; flowers small, pure white; 2 feet; June. Pkt. 10c

HELICHRYSUM (Straw Flower)

Monstrosum — Everlasting. One of best for winter bouquets. Hardy annual. Red, yellow and white. Pkt. 10c

HYACINTH BEAN (Dolichos Lablab)

Rapid growing, ornamental, climbing annual, bearing clusters of beautiful purple and white flowers, followed by highly ornamental seed pods. Sow seed. Mixed. Pkt. 10c

HOLLYHOCKS (New Annual)

Hybrida Semperflorens — This splendid variety will bloom in August from spring planting. Mixed colors. Pkt. 10c

HOLLYHOCK (B)

Chaters—Superb strains. Double varieties; of greatest perfection. Scarlet, rose, Newport pink, maroon, yellow, white, mixed. Pkt. 10c

HUNNAMANNIA (Giant Yellow Tulip Poppy, or Bush Eschscholtzia)

Produces plants covered with large, buttercup yellow, poppy-like blossoms, and never out of flower until hard frost. 2 to 8 ft. Pkt. 10c

ICE PLANT, Mesembrianthemum Crystallinum
Pretty summer trailing annual for vases and rock work; leaves covered with ice-like drops. Sow seeds early in boxes. ½ to 1 ft. Pkt. 10c

KOCHIA CHILDSII (Summer Cypress)

Forms symmetrical highly decorative bushes, foliage green, turning to fiery red in autumn. Sow seed in open, thin to 15 inches. Valuable for summer hedges. 1 to 2 ft. Pkt. 10c

KUDZA VINE (P) (Pueraria Thumbergiana)

Beautiful Japan climber, hardy perennial with fragrant purplish-violet, wisteria-like flowers. 10 to 12 feet high. Pkt. 10c

LEMON VERBENA (P)

Every garden should have a few plants of this fragrant favorite. Its pale green foliage goes well with any flower. 1 to 2 feet high. (Usually propagated from cuttings). Pkt. 15c

LINUM (Grandiflorum Rubrum)

Scarlet Flax—One of the most showy bedding plants, fine foliage, with brilliant scarlet-crimson flowers. Pkt. 10c

Perenne (P)—Pear blue flowers; graceful and hardy. Pkt. 10c

Perenne Album (P)—Milk white flowers, very decorative. Pkt. 10c

Flavum (P)—Very firm, yellow. Pkt. 10c

LARKSPUR

The annual Larkspurs are quite hardy and bloom in the later summer months, furnishing flowers of striking beauty in form and color.

Dwarf Rocket—Finest colors. Double mixed. Pkt. 10c

Tall Double Stock Flowered — Lustrous carmine, dark blue, rose, white or finest mixed. Pkt. 10c

LOBELIA

Lobelia plants in April and May at 50c dozen, postpaid.

Erinus Gracilis—Trailing, excellent for vases, hanging baskets and window boxes. Bright blue flowers. Pkt. 10c

Specioso — Trailing, true dark blue flowers, with dark foliage. Pkt. 10c

Hybrida Sapphire — A beautiful trailing Lobelia; very large, deep sapphire blue flowers, with large and clear white eye; very free flowering; extra long trailer. Pkt. 10c

Crystal Palace Compacta—Little dwarf bedding plant; dark blue flowers cover the whole plant during the entire season; very compact and used extensively in carpet bedding or edging; 4 inches high. Pkt. 10c

Cardinals (Cardinal Flowers)—Hardy perennial garden plant, with spikes of deep cardinal red flowers; Aug. and Sept. 3 ft. Pkt. 10c

LUPINUS

Hartwegi—Dark blue, light blue, rose, white, mixed. Pkt. 10c

Royal Purple—Hartwegi. Dark blue, light blue, rose, white, mixed. Pkt. 10c

LUPINUS (P)

Shrubby plants, bearing long spikes of flowers. White and pink, occasionally blue. Sow seeds in open early in spring. Transplant. Give plenty of room. Perennial. Mixed. Pkt. 10c

LYCHNIS (P) (Rose Champion)

(Jerusalem Cross)

Few plants produce more brilliantly colored blossoms. Flowers are borne in clusters and continue fresh and brilliant for a long time. Hardy, 1 to 2 feet high. Orange, scarlet, and crimson. Seeds should be sown where plants are to remain, thinning to prevent crowding.

Haageana Hybrida—Mixed. Pkt. 10c

MARIGOLD (Tagetes)

A hardy plant in dwarf and tall varieties; foliage bright green and deeply cut. Flowers are various shades of yellow and brown. Sow seeds early in flats and transplant to garden when 3 to 4 inches tall. For specimen plants soil should be light, rich and deeply spaded. 1 to 2½ feet high.

African—Tall or dwarf, double *Fistulosa* type, mixed. Pkt. 10c

French—Dwarf or tall double mixed. Pkt. 10c

French—Tall stripped double. Extra select. Pkt. 10c

Golden Ball—New dwarf, very compact.

Legion d'Honneur—Dwarf single. Pkt. 10c

Little Brownies (Legion d'Honneur)—Dwarf double Brownies. Pkt. 10c

MOON FLOWER (Ipomoea Mexicana Grandiflora)

Rapid growing climber belonging to the Morning Glory family. At night and on cloudy days vine is covered with fragrant white flowers 4 to 5 inches in diameter. Seeds must be soaked then planted where vine is to remain. Pkt. 10c

MIGONETTE (Reseda)

A quick-growing fragrant annual. Produces largest and finest spikes of blossoms. Will flower freely throughout summer from seed sown early in spring.

Odorata Grandiflora—Large, well-formed fragrant flowers. Pkt. 10c

Machet (White)—White with reddish tinge. West white dwarf variety. Pkt. 10c

Golden Queen—Dense, dwarf growth; flower golden yellow; very fragrant. Pkt. 10c

Goliath Giant Red — Mammoth red spikes. Very fine. Pkt. 10c

MIMULUS (P) (Moschatus or Musk Plant)

Cultivated for its rich, musky color. Flowers yellow, white or spotted. 1 foot high. It should have a rich soil and ample moisture. Will bloom first year if seed is sown early. Does best in shady situation. Pkt. 10c

Tigrinus Fl. Pl. or Monkey Flower—Beautifully spotted. Mixed. Pkt. 10c

MORNING GLORY

Convolvulus Major—Tall, choice single, mixed, all colors. Pkt. 10c

Double Mixed—Tall. Pkt. 10c

Imperial Japanese Fringed—These have very large fringed flowers in a great variety of exquisite colorings; variegated foliage. Pkt. 10c

MIMOSA (Sensitive Plant)

Pudica—A good foliage plant. Very curious and interesting, leaves close if touched or shaken. 1 to 1½ feet high. Pkt. 10c

NEMESIA

A splendid border plant with the widest range in color. Is very early, a continuous bloomer. The Orchid-like flowers are varied in color, blue, orange, rose, yellow, etc.

Blue Gem—Flowers almost like Forget-Me-Not. Pkt. 10c

Triumph Mixed Pkt. 10c

NIGELLA (Love-in-a-Mist or Devil-in-a-Bush)

Compact growing, free flowering plants with curious looking showy flowers and finely cut foliage. Colors blue and white. Sow the seed about April and thin to 8 to 10 inches.

Mixed Colors Pkt. 10c

Miss Jekyll—Cornflower blue. Pkt. 10c

NICOTIANA

A very showy plant, producing star-shaped flowers of delicious perfume.

Affinis—White, sweet scented. Pkt. 10c

Sylvestris — Pure white, fragrant, drooping flowers; deep green foliage. Pkt. 10c

Sanderac—Resembles the Affinis, but does not close up in the daytime. The plants are covered with carmine, red, fragrant flowers. Pkt. 10c

NASTURTIIUMS

Golden Gleam Nasturtium—The newest and finest flower improvement that has been introduced to the American public in past few years. Truly a beautiful flower. Rich golden yellow, sweet-scented, semi-trailing habit. Large double blooms on 6-inch stems. Oz. 30c.

Nasturtium—Tall or Climbing — The most popular and most beautiful free-flowering annual climbing vines. Pkt. 10c; oz. 15c; 4 ozs. 50c

DWARF NASTURTIIUMS

These are of dwarf, compact, rounded growth and are especially desirable for planting as borders to flower beds or along garden walks.

Pkt. 10c; oz. 15c; 4 ozs. 50c

OENOTHERA (Evening Primrose)

Elegant for growing in an exposed position, in border or on rockery. Pkt. 10c

GIANT FLOWERING PANSIES

Swiss Giants—A sturdy magnificent new strain of Giant Pansies, more beautiful than any others we have ever seen. Mixed colors. Pkt. 10c

Holland Strain—Extra large flowered exhibition mixture. This strain will meet the demand for a real giant flowered fancy Pansy and is our finest mixture. Pkt. 10c

Oregon Giants Special—The flowers are of the largest size and most perfect form and texture. It is a wonderful selection of beautiful shades and colors and sure to please the most critical grower. Pkt. 20c; 6 pkts. \$1.00

PENTSTEMON (P) (Beard Tongue)

Brilliant bell-shaped flowers borne on long spikes, and produced abundantly all summer. Colors range through red, rose, cherry, carmine, pink and purple. Mixed. Pkt. 10c

"Sensation"—As a bedding plant this takes rank with the Petunia. About 2 feet, every branch a spike of flowers in a wide range of bright colors. Treated as Petunias. Pkt. 10c

PORTULACA (Rose Moss)

Brilliant dwarf annuals, only 6 inches high, luxuriating in warm situations, and blooming profusely.

Single Mixed Pkt. 10c
Double Mixed, Extra Pkt. 10c

PEAS—Perennial (P) (Lathyrus Latifolius)

Similar to sweet peas but not so fragrant; they bloom through a long season, are perfectly hardy, and will live for years. Should be sown near a fence or other support, thinning to 2 to 3 feet apart. 4 to 6 feet high. Pkt. 10c

POPPY

Giant Oriental Poppies—Among hardy perennials these hold an unrivaled position for gorgeous effectiveness.

Oriental Brilliant—Bright scarlet, black spots at base of each petal. Pkt. 10c

Oriental Princess Victoria—A beautiful salmon pink; wonderful flower. Pkt. 10c

Iceland, or Nudicaule—Stalks about 12 inches in height, bearing beautiful brilliant single flowers in endless profusion. Single mixed. Pkt. 10c

Double Iceland Mixed—Very choice strain, double flowers. Pkt. 10c

Shirley Poppies—Very beautiful satiny flowers of various colors from white through delicate shades of rose, pink, and carmine, to the deepest crimson. Pkt. 10c

California Poppy (Eschscholtzia)—They commence to bloom within a few weeks' time. 1 to 1½ feet high. Colors yellow, red, orange and white. Pkt. 10c

PETUNIA (Hybrida)

During the whole season it is covered with large, showy blossoms, which are always bright and fresh.

Single Choicest Mixed Pkt. 15c

Double Choicest Mixed Pkt. 35c

Single Fringed—Finest Mixed Pkt. 20c

Double Fringed Mixed Pkt. 20c

Elks Pride—Deep (Elks) purple. Large flowers, fine for window boxes, borders and bedding. Pkt. 20c

City of Portland—One of the finest shades of pink. Flowers large and ruffled. Fine for borders or bedding. Pkt. 20c

Rosy Morn—A very compact dwarf type, soft pink, especially fine for bedding. Pkt. 10c

PINKS

The Dianthus family embraces some of the finest of all flowering plants. The blooms are of the richest and most pleasing colors.

Chinensis Type—Single mixed Pkt. 10c

Double Mixed Pkt. 10c

PASSIFLORA (P) (Passion Flower)

Most interesting and well-known climber, bearing singularly beautiful flowers. 10 to 12 feet high. Blue. Pkt. 10c

PHLOX DECUSSATA (P) (Perennial)

Large, compact heads of bloom from mid-summer until fall. 2 to 4 feet. Wide range of colors. Pkt. 10c

PHLOX DRUMMONDI

Unrivaled for richness and beauty of color. Mixed colors. Pkt. 10c

PYRETHRUM ROSEUM (Painted Daisy)

One of the most valuable of our early summer flowers. Charming color in all shades of rose and pink. Pkt. 10c

Aureum (Golden Feathers)—Half-hardy, perennial; valuable for edging, as their yellow foliage makes a fine contrast with other bedding plants, 6 inches. Pkt. 10c

RUDBECKIA (P) (Golden Glow) (Newmani)

Brilliant orange yellow petals around a large dark center. Pkt. 10c

SALPIGLOSSIS (Painted Tongue)

Undoubtedly one of the most attractive annuals and should be in every garden. The blossoms are tube-shaped much like a petunia but rivaling the latter in the beautiful colors displayed. Crimson, pink, purple and gold (new) velvety red and mixed. Pkt. 10c

SAPONARIA OCYMOIDES (P)

Very showy, hardy perennial rock plant, producing masses of small bright rose flowers during the summer months. Pkt. 10c

SCABIOSA (Sweet Scabious, or Mourning Bride)

Free flowering annuals; white, carmine, lilac, maroon, etc.; effective for garden decorations.

Double Mixed Pkt. 10c

Caucasica Perfecta—Perennial. Flowers on long stem, fine for cutting. Pkt. 10c

SCHIZANTHUS (Butterfly Flower)

Beautifully fringed and delicately colored flowers so numerous as to hide the foliage. Splendid bedding plants. Seeds sown in open come into bloom in a few weeks. Fine pot plant for house in winter. 1 to 2 feet.

Rose and Amber Shades Pkt. 10c

Grandiflora Hybrids Mixed Pkt. 10c

STATICE (P) (Sea Lavender)

Splendid for border or rockery, producing panicles of minute flowers; can be dried and used for winter bouquets.

Latifolia—Sow like other perennials in flats or cold frames and transplant when large enough into permanent position, 12 to 18 inches apart. Blue. Pkt. 10c

SWEET ROCKET (P) (Hesperis)

An old, hardy garden favorite. Fragrant white flowers, 2 to 3 feet high, resembling Perennial Phlox. Sow seed early and transplant once before placing in permanent location. Pkt. 10c

SWEET WILLIAM (B) (Dianthus Barbatus)

Remarkably free-flowering plant of brilliant colors, ranging from snow-white to darkest crimson. Very fragrant. May be sown in open and thinned to 6 to 8 inches. 1 to 1½ feet.

Scarlet Beauty—Single Pkt. 10c

Newport Pink—Single Pkt. 10c

Dark Red—Single Pkt. 10c

Turkey Red (New)—Single Pkt. 10c

Giant Flowering Mixed—Single Pkt. 10c

Giant Flowering Mixed—Double Pkt. 10c

Salmon Pink—Single Pkt. 10c

SALVIA (Flowering Sage)

Very ornamental, flowers borne in spikes of fiery red or crimson.

Zurich (New Dwarf Early)—The finest of all Dwarf Salvias. Very floriferous. Pkt. 10c

Splendens—Brilliant scarlet Pkt. 10c

Bonfire (Clara Bedman)—One of the finest Salvias ever introduced; compact bush about 2 feet in height and diameter. Pkt. 10c

SILENE (Catchfly)

A hardy annual, yielding for a long time a profusion of umbels of bright colored flowers in various shades of pink.

STOCKS

These popular flowers are easily grown, and are so highly fragrant and of such beauty that they deserve a place in every garden.

- Large Flowering, Dwarf, Ten Weeks—White. Pkt. 10c
- Large Flowering, Dwarf, Ten Weeks—Light blue. Pkt. 10c
- Large Flowering, Dwarf, Ten Weeks — Dark blue. Pkt. 10c
- Large Flowering, Dwarf, Ten Weeks—Rose. Pkt. 10c
- Large Flowering, Dwarf, Ten Weeks—Crimson. Pkt. 10c
- Large Flowering, Dwarf, Ten Weeks—Canary yellow. Pkt. 10c
- Large Flowering, Dwarf, Ten Weeks — Mixed colors. Pkt. 10c
- Giant Perfection, Princess Alice—White. Pkt. 10c
- Giant Perfection, Brilliant—Bloom red. Pkt. 10c
- Giant Perfection, Creole—Yellow. Pkt. 10c
- Giant Perfection, Sapphire—Violet. Pkt. 10c
- Giant Perfection—Mixed colors. Pkt. 10c

SUNFLOWER (Helianthus)

- Stately growing annuals with immense golden yellow flowers, effective for garden decorations. 6 to 8 feet high.
- Dwarf Double—Bright golden yellow flowers 3 inches across. Pkt. 10c
- Globosus Fistulosus — Saffron, very large, double and handsome. Pkt. 10c
- Multiflora—Beautiful, double yellow flowers. Pkt. 10c

THUNBERGIA (Black Eyed Susan)

Rapid growing annual climbers, splendid for trailing over trellises, fences, etc., buff, white, orange, etc., 4 to 6 feet high. Grows readily

from seed sown in the open. Mixed colors. Pkt. 10c

TRITOMA (P) (Red Hot Poker)

Bright, showy flowers produced in large spikes of brilliant rich colors. Uvaria—Dazzling orange red. Pkt. 10c

VALERIANA (P) (Garden Heliotrope)

Sweet scented flowers having red or white blooms produced in large heads. Pkt. 10c

WALL FLOWER (B) (Cherianthus Cheri)

Produces spikes of beautiful, exceedingly fragrant flowers. Colors yellow, red, orange, and brown. Half hardy perennials. Mixed Single—Large flowering. Pkt. 10c
Finest Tall, Double Mixed—Branching. Pkt. 10c

VERBENA

Start seed in the house under glass early in the spring and transplant after 3 or 4 inches of growth. They flower in July and continue strong and healthy until frost. 8 to 12 inches high. Mammoth Mixed—Selected; extra large, fine. Pkt. 10c
Fine Mixed. Pkt. 10c
Candidissima—White. Pkt. 10c
Scarlet Defiance. Pkt. 10c
Pink Shades. Pkt. 10c
Blue Shades. Pkt. 10c

LEMON VERBENA

Every garden should have a few plants of this fragrant favorite. (Usually propagated from cutting, seldom from seed.) Pkt. 10c

VINCA (P) (Old Maid)

Tender perennial. Fine for pot culture. Flowers white and pink. Mixed. Pkt. 10c

GIANT DAHLIA FLOWERED ZINNIA

One of the most brilliant and showy of garden plants, one of the most easily grown from seed, and the immense double flowers are still in their glory after most other flowers have been killed by frost. Hardy annual; two feet high. Sow seed outdoors early in spring and thin the plants to six inches apart. For earlier blooms, plants may be started indoors.

Exquisite—By far the most pleasing of our collection. Truly DAHLIA flowered as regards form and size. Color, light rose with center a deep rose. (Tyrian Rose.) Pkt. 10c

Old Rose—This is adequately described by its name, as it is of the real old rose shade. It is large, and for charm and beauty we consider it ranks next to Exquisite. Pkt. 10c

Illumination—Similar to Exquisite, but a striking self color of deep rose (Tyrian Rose). Pkt. 10c

Golden State—A very rich orange yellow (Cad-mium). Yellow in bud, turning to as attractive orange when in full bloom. Pkt. 10c

Crimson Monarch—By far the largest and best of red shades. Flowers often eight inches in diameter. Plants very vigorous. A marvelous production of extraordinary merit. Pkt. 10c

Giant Attraction—A distinct shade of brick red (Spectrum Red), which carries its color well from the bud, and forms into an immense ball of color when in full bloom. Pkt. 10c

DOUBLE GIANT ZINNIAS

Improved Grandiflora Robusta—These are the giant or mammoth flowers type and are in every way superior to the common kinds. Flowers are borne on long, stiff stems and are of a semi-globular form.

- Apricot Buff
- Apricot Orange
- Apricot Yellow
- Bright Rose
- Crimson
- Deep Flesh
- Orange
- Purple
- Rose
- Salmon
- Scarlet
- White
- Mixed

Price, any of the above, per Pkt. 10c
Fine Mixed—All colors. Pkt. 10c

Dream — A fine deep lavender, turning to purple (Mallow Purple), a new, desirable shade in Zinnias. Pkt. 10c

Polar Bear—A very large pure white, the best white yet seen in Zinnias. True Dahlia form. Pkt. 10c

Buttercup—An immense deep creamy yellow. A very desirable flower, which should be included in every collection. Pkt. 10c

Scarlet Flame—A large, beautiful bright scar-let, with a delightful blending of orange through-out the petal. This is not a bicolor. Pkt. 10c

Meteor — A rich, glowing, deep red (Spinel Red), and the darkest of all the red shades. Fine form, with good depth of petal. Very large and more floriferous than other reds. Pkt. 10c

Oriole—We consider this the most beautiful of its class. It is an immense orange and gold bicolor, changing slightly as it ages, but at all times worthy of the beautiful bird for which it is named. Our cultures are limited, and we can offer Oriole in small quantities only this year. Pkt. 10c

Dahlia-Flowered Zinnia, Mixed — New, and specially fine. The flowers are fuller and more double than any others. Pkt. 10c

Superb Double Giant Special Mixed — Our own superb mixture, made up from separate shades so as to produce a blend of wide range and rare and rich true colors. Pkt. 10c

ZINNIA PLANTS

Mixed and Separate Colors—We will be able to supply in season well grown plants from our own select seed. Order early while we have all colors and we'll send in proper season.

IMPROVED DWARF ZINNIA

Elegans Pumila—This improved, large flow-ered dwarf, double Zinnia makes very effective plants for bedding or borders. Pkt. 10c

POPULAR ANNUAL BEDDING PLANTS

Annual bedding plants are so inexpensive that they should be planted extensively for cut flowers in the home as well as for garden effects. They also make splendid displays in tubs and porch boxes.

Prices are per dozen, f. o. b. Portland.			
Alyssum	\$.40	Lobelia .....	.40
Asters .....	.40	Marigold .....	.40
Carnations	1.50	Mignonette .....	.40
Candytuft .....	.40	Petunia .....	.50
Clarkia .....	.40	Phlox .....	.40
Cosmos .....	.40	Salpiglossis .....	.40
Forget-Me-Not	1.00	Salvia .....	.40
Geraniums	\$1.50 to 3.00	Stocks .....	.40
Heliotrope .....	.75	Verbena .....	.40
Larkspur .....	.40	Zinnias .....	.40

SWEET PEAS — Giant Spencer Improved

It will be realized that exhibitors and other keen growers are influenced by delicate shadings of color, by difference in form, by the way the blooms are placed on the stem, and so forth. We, therefore, keep a sufficiently wide range of varieties to suit these tastes, although, to the casual eye many of them are very much alike. We have made up our list of varieties, which, we believe, will answer all purposes.

ORANGE AND SALMON

Barbara—A beautiful shade of orange-salmon, the brilliancy of the coloring being enhanced by planting in partial shade. Pkt. 10c; oz. 30c; 4 ozs. 90c; lb. \$3.00.

Robert Sydenham — Glowing orange-salmon, strong grower, four flowers on a stem, the largest of this shade. Pkt. 10c; oz. 30c; 4 ozs. 90c; lb. \$3.00.

Helen Lewis—Orange-rose wings and intense rich crimson-orange standard. An old favorite. Pkt. 10c; oz. 30c; 4 ozs. 90c; lb. \$3.00.

Tangerine—This is the last word in orange-colored Sweet Peas. Pkt. 10c; oz. 30c; 4 ozs. 90c; lb. \$3.00.

Prince of Orange—Brilliant orange. Unsurpassed in this color class for vigor, size of flowers, and long stems. Gorgeous under artificial light. Pkt. 10c; oz. 30c; 1/4-lb. 90c; lb. \$3.00.

Illuminator—A bright salmon cerise. A vigorous grower and a profuse bloomer and very fragrant. Pkt. 10c; oz. 30c; 1/4-lb. 90c; lb. \$3.00.

RED AND CRIMSON

Prices: Pkt. 10c; oz. 30c; 1/4-lb. 90c; lb. \$3.00

Flamingo—Beautiful orange scarlet cerise. It is more than that because in sunshine or artificial light it appears to be suffused richly with orange scarlet. The flowers are large, nicely waved, and well placed on strong stems. Pkt. 10c

Campfire—This is the brightest, pure flame scarlet ever offered. A vivid extremely bright color. Wonderful large flowers that will not burn in the hottest sunshine. Pkt. 10c

Royal Scot—Brilliant lustrous orange-scarlet flowers with a deep cerise sheen. Large and well waved blooms arranged in artistic sprays. Pkt. 10c

Welcome—The most dazzling of all the scarlets. Strictly sunproof. A robust grower, with bold flowers on stout stem. Pkt. 10c

Honour—Rich crimson. This fine English variety bears large beautifully waved blossoms. Pkt. 10c

Fiery Cross—Deep cerise, shaded orange. Pkt. 10c

King Edward—Pure red. A dependable variety bearing large flowers of excellent form. Pkt. 10c

PURPLE

Olympia—Royal purple, deep and rich. Large waved flowers, strong vines, and glorious color make this the standard purple sweet pea. Pkt. 10c

Royal Purple—An excellent variety with large rich purple blooms borne profusely in fours on long stems. Pkt. 10c

WHITE AND CREAM

Constance Hinton—Decidedly the best black-seeded, white-flowered variety. Flowers are of large size, and comes at times with a decided blush tinge. Pkt. 10c

Youth—A clear, waxy white with a well-defined clear pink edging. Enormous flowers, very fragrant. Dainty and desirable in every way. Try it. Pkt. 10c

Model — An outstanding new black-seeded white Sweet Pea of magnificent proportions.

What Joy — Primrose, shading to cream. A charming tone and so far the nearest approach to a true yellow. Pkt. 10c

LAVENDER AND BLUE

Reflection—Clear corn-flower blue. Unusually vigorous, extra long stemmed. Flowers of splendid substance and beautifully waved. Today's most popular and best clear blue. Pkt. 10c

Powerscourt—Clearest lavender. The British National Sweet Pea Society has classed this as the best lavender for the last seven years. Pkt. 10c

Austin Frederick Improved—Pure lavender. A dependable variety bearing large flowers of excellent form. Pkt. 10c

Mrs. Tom Jones—Very large and of great substance, beautifully waved. usually borne four on a stem of great length. Color is best described as a deep amethyst blue. Pkt. 10c

PINK SHADES

Idyl—The color is rich, bright and a delightfully pleasing clear salmon pink. Idyl is a strong grower, and the blossoms are nicely waved. Pkt. 10c

Pinkie—Rich rose pink. This extra vigorous sort is universally accepted as the largest flowering and finest of its class. Pkt. 10c

Mary Pickford — Blossoms are large, well waved, and sometimes duplexed. An over-whelming favorite ever since its introduction. Pkt. 10c

Miss California — Soft rose pink on cream ground. The flowers are daintily frilled and very large. Pkt. 10c

Winnie Morse — Delicate cream pink with charming rose pink blush. The huge flowers are usually duplex or semi-double. Pkt. 10c

Hebe—This is the largest and best rose-pink variety. It is a variety with great vigor and the flowers are always produced on exceptionally long stems. Pkt. 10c

Hallmark—Salmon pink. Rose pink flushed deep salmon. A most satisfactory variety. Pkt. 10c

Royal Pink — A beautiful shrimp pink veined orange. One of the most outstanding varieties. Pkt. 10c

Giant Spencer Mixed — This superb mixture has been formulated to afford unusual richness and brilliancy. It contains the finest named sorts, and we have endeavored to make it the choicest blend possible. Pkt. 10c; oz. 15c; 1/4-lb. 50c

1935 COLLECTION—For the sum of.....50c

We offer these eight beautiful varieties, all regular size packets of the following, WELCOME, best scarlet; HONOUR, large rich crimson; MODEL, pure white.; PINKIE, large rose pink; POWERSCOURT, best lavender; PRINCE OF ORANGE, deep orange; REFLECTION, clear blue; WHAT JOY, primrose yellow.

1934 COLLECTION—For the sum of.....40c

We have had so many requests from our satisfied customers on our 1934 Collection that we have decided to list it again this season which are as follows: Seven regular packets, MISS CALIFORNIA, orange salmon; HEBE, rose pink; MRS. TOM JONES, amethyst blue; CAMPFIRE, bright scarlet; POWERSCOURT, pure lavender; MODEL, large white; WHAT JOY, primrose yellow.

FARM AND FIELD SEEDS

SPECIAL PASTURE MIXTURE

Mixture for Burned-Over Land — In grading and cleaning grasses we blend them to produce pasture mixtures suitable for sowing on burns and logged-off land. In ordering state whether for high or low lands.

VETCHES

NOTE—All Vetch is scarce and higher than usual. Buy early if you need any.

Oregon Vetch (*Vicia Sativa*) — Oregon's greatest forage plant.

Hungarian Vetch — Becoming more popular each year on account of its strong, healthy growth.

Hairy Sand or Winter (*Vicia Villose*)—This variety thrives on poor, arid, sandy soils.

CHEAT SEED

Cheat seed yields a good crop of hay. Sow in fall or early spring, about 100 lbs. per acre.

BUCKWHEAT

Silver Hull—A very good and popular variety grain.

Japanese—Good yielder; ripens early; excellent for bees to work on, as it remains in bloom longer.

FLAX SEED

Western grown, large plump seed. New crop selected, re-cleaned.

MILLETS

Sow in April, May or June, 20 pounds for seed or 35 pounds for hay per acre. Must be sown early to mature in Willamette Valley.

Japanese Barnyard Millet — Also called Billion Dollar Grass. Entirely distinct from any other millet. Grows 6 to 8 feet high, produces an enormous crop.

Early Fortune—This variety seems to do extra well here; try it. Heads large and loose.

Liberty (German)—An improved variety yielding a larger crop.

SEED OATS

Gray Winter — Gray Winter oats are very hardy, and are generally used for fall sowing and are especially useful for sowing with vetch.

White Seed Oats—We can supply White Valley Oats at market price for fancy re-cleaned stock. Write for prices when ready to buy, stating quantity.

SUNFLOWER

Mammoth Russian—The best variety to grow for the seed or silage.

KAFFIR CORN

An excellent fodder plant. Seed small and almost round, valuable poultry and pigeon food. It does best sown thinly in drills three feet apart.

RAPE, DWARF ESSEX

We offer you true, pure seed. One of best forage plants on account of large amount of green feed it produces.

SEED RYE

When ready to buy Fall or Spring Rye seed write us for quotations on quantity wanted.

RUTABAGA

Monarch or Tankard—Very solid, fine grained, of fine flavor; grows well out of the ground and yields large crops. Pkt. 5c; oz. 10c; 1/4-lb. 25c; lb. 75c.

White Sweet Russian—Excellent for table or stock. Very large; white, solid, sweet, rich. Keeps well.

Prices on Turnips and Rutabaga

Pkt. 5c; oz. 10c; 1/4-lb. 25c; lb. 75c; postpaid.

FIELD CORN

These varieties have all been grown especially for seed. The seed is well cured and true to name.

Pride of the West—Oregon grown; acclimated. Grand success in Oregon. We have been raising this variety for years.

Pride of the North, Dent—A quick growing yellow Dent variety, thriving well where the summers are not very long.

Minnesota No. 13—A variety of great promise, being the earliest of the early yellow Dent corns and reported to be the heaviest yielding. Producing splendid large ears.

COW OR THOUSAND HEAD KALE

Plants in Season

The great demand for this wonderful forage plant proves it to be the valuable green feed for Pacific Coast dairy and stockmen. Pkt. 5c; oz. 10c; 1/4-lb. 20c; lb. 50c.

Jersey Kale—Large, heavy, massive plants. This variety produces by far the largest crop. We offer seed of our own growing. Pkt. 5c; oz. 20c; 1/4-lb. 40c; lb. \$1.00; 3 lbs. or more at 90c; postpaid.

Giant Marrow—Enormous plants on tall heavy stalks. The leaves are very broad.

FIELD PEAS

A very profitable crop and grown here very extensively.

MANGELS

For Stock Feeding

Giant Half Sugar Mangel—Roots grow very large above the ground. Smooth, creamy white in color and very nutritious. Easily pulled.

Mammoth Long Red—Very popular and much used. A large and heavy cropper.

Danish Sludstrup—An improved variety, considered one of the best.

Golden Tankard—An enormous yielder, growing largely above ground, thus being easily harvested.

Prices on Mangels

Pkt. 5c; oz. 10c; 1/4-lb. 20c; lb. 50c; 10-lbs. \$4.00.

TURNIPS

For Stock Feeding

Cowhorn — Sometimes called Long White. Slightly crooked. Pure white except a little shade of green at the top.

Large White Norfolk—A white variety, usually attaining a very large size. Extensively grown for stock feeding.

Yellow Aberdeen—Round, medium size; light yellow. Produces a large crop.

Pomeranian White Globe—One of the most productive. It is of perfect globe shape; skin white and smooth; leaves dark green and strong growth.

Bortfeld (Long Yellow)—It has proven itself to be far superior to any turnip ever introduced for stock feeding as it is a heavy yielder and relished by all stock.

Prices on Turnips

Pkt. 5c; oz. 10c; 1/4-lb. 25c; lb. 75c.

Write for Prices on Grass Seeds

GRASS AND CLOVER SEED

RED CLOVER

Hardy, and succeeds well on any good soil. The most popular variety.

ALSIKE CLOVER

Valued highly for sowing with other grasses. Excellent for hay and pasture; valuable for bees; resists both drought and excessive moisture.

CRIMSON CLOVER

Trifolium Incarnatum — An annual, useful principally as a cover crop or to plow under. Sow 15 pounds per acre. Write for prices.

MAMMOTH RED CLOVER

Trifolium Medium — Grows very rank and coarse, and is used mostly for a fertilizer, for plowing under. Sow 8 to 12 lbs. per acre.

WHITE SWEET CLOVER OR BOKHARA

Melilotus Alba—A biennial, used to some extent for hay and pasture, but most valuable for bee pasture. Sow 20 to 30 lbs. per acre.

WHITE DUTCH CLOVER

Extra Fancy, the very finest quality for use on lawns. Makes an attractive lawn while grass is getting a good start. 1 lb. 55c; 10 lbs. \$5.00; postpaid.

LADINO WHITE CLOVER

Tall growing white clover which furnishes an excellent yield of good pasturage and makes sufficient growth to be cut for hay. Will carry as much stock per acre as blue grass.

Prices Subject to Change—Write for Prices on All Grass and Field Seeds.

For Beautiful Lawns and Gardens

The Vigoro Spreader applies Vigoro, grass seed, and other materials evenly and accurately.

Model "B" \$3.45
Junior 6.90



Select good seeds and plants, care for them properly, and feed them regularly with Vigoro, the complete, balanced plant food.

Vigoro contains all of the food elements plants must get from the soil to produce rich-green, velvety lawns, beautiful flowers, full-foliaged shrubs and trees, and early, delicious vegetables. Vigoro is "the square meal for all plants."

Clean, odorless, and economical. Simple directions for using Vigoro in every bag or package. Used annually on 3,000,000 homes. We recommend it highly.

A Product of Swift & Company

100-lb. Bag	\$4.00
50-lb. Bag	2.25
25-lb. Bag	1.50
10-lb. Pkg	.85
5-lb. Pkg	.50
12-oz. Pkg	.10

VIGORO

Specially prepared plant food



"Use Vigoro On Everything You Grow"

Consistent use of properly balanced commercial fertilizers is accepted by commercial truck and fruit growers as a necessity in securing the yield and quality required for profitable operations.

Home gardeners desiring maximum yield and improved quality are using commercial fertilizers in increasing quantities each year. The RED STEER fertilizers listed below have given excellent results for the various purposes mentioned.



In fertilizer formulae, the plant food content is shown in the following order:

Nitrogen — Available Phosphoric Acid—Water Soluble Potash.

Thus, the formula 3-10-10 contains 3% Nitrogen, 10% available Phosphoric acid, and 10% water soluble potash.

Red Steer (3-10-10)—General garden fertilizer. 100 lbs. \$2.40.

Red Steer (6-10-4)—Very good for lawns, also fruit trees where more rapid growth is desired. 100 lbs. \$2.50.

Red Steer (5-6-8)—Especially for berries, and early potatoes. 100 lbs. \$2.50.

Oregon Lawn and Garden Fertilizer

OREGON LAWN AND GARDEN FERTILIZER

Oregon Lawn and Garden fertilizer, composed of bloodmeal, bonemeal, tankage, superphosphate and potash in such proportions as to give maximum results without the danger of burning or temporarily retarding the growth of the lawn. No other fertilizer is as safe to handle as Oregon Lawn Dressing, and if judiciously applied, splendid results will be obtained.

On lawns apply evenly 4 to 5 lbs. per one hundred square feet. Sprinkle with spray nozzle after applying, to wash fertilizer off the blades of grass.

On flowers a teaspoonful to a tablespoonful carefully worked into the soil over the roots, taking care not to get too close to the stalk, will give wonderful results.

25-lb. bag, \$1.00; 50-lb., \$1.50; 100-lb. \$2.50.

GRASS SEED

STAIGREEN SPECIAL LAWN GRASS MIXTURE

Prepared from the choicest re-cleaned grass seeds carefully selected for their fineness, their deep rooting, close growing habits and seasonable qualities; producing an ideal, dense velvety turf of lasting quality that remains green throughout the year. Sow one pound to 200 square feet. 1-lb. 70c; postpaid.

SHADY LAWN MIXTURE

Especially selected for producing a fine velvety lawn under firs and shade trees where most grasses do not thrive. 1-lb. 80c

ASTORIA CERTIFIED CREEPING BENT

Astoria Bent requires much less moisture. Astoria Creeping Bent is raised under the most careful supervision. The higher cost is well repaid in the superiority of results. 1-lb. \$1.35

IMPORTED CREEPING BENT GRASS

This furnishes an unusually fine turf on ordinary soils. It is very hardy and thrives in both summer and winter. Lb. \$1.35

KENTUCKY BLUE GRASS

For Lawns—Blue grass is used very extensively for lawns and is found in all good lawn grass mixtures. Our extra fancy seed is unexcelled for weight and purity. Few dealers handle this high grade re-cleaned seed on account of its cost. This seed, straight or mixed, with Fancy White Clover, is excellent for lawns. Extra Fancy, Pound 60c; 10-lbs. \$5.00; postpaid.

ENGLISH RYE GRASS

A strong-growing, hardy perennial grass, noted for its nutritive qualities. It is equally valuable for both grazing and hay. It grows very rapidly and makes a good showing quicker than most grasses.

ITALIAN RYE

A quick-growing grass, attaining a height of 2½ to 4 feet; very desirable for meadows or permanent pasture; thrives best on soils that are slightly moist; makes fine hay.

RED TOP

Argrostis Vulgaris—Red Top is a very hardy permanent grass, forms a tough sod, is good in pasture mixtures and is especially valuable on wet ground where other grasses will not thrive.

ORCHARD GRASS

Of the greatest value in permanent pasture mixtures; thrives best in moist, shady places,

TIMOTHY

As a hay crop, timothy is unsurpassed by any other grass. Thrives on ordinary soil, but succeeds best in a moist loam.

ROUGH STALK MEADOW

For shady places under trees or wood pasture.

CHEWING FESCUE

Recommended for lawns and golf links. It is a fine-leaved low-growing grass.

MESQUITE

It is usually sown on virgin soil, without cultivation, after the ground has been burned over.

BROMUS INERMIS

On account of its strong perennial character, and its wonderful drought-resisting power it is an exceptional grass.

BERMUDA GRASS

(*Cyndon Dactylon*)—Suitable only for climates where the winters are not below the freezing point. It stands the hottest and driest season. Sow 6 lbs. per acre.

CRESTED DOG'S TAIL

(*Cynosurus Cristatus*)—A perennial grass with short, narrow leaves; valuable for lawns or pasture on dry, light land; makes excellent sheep pasturage. Use 20 lbs. per acre if sown alone.

ALFALFA

Reports prove that Alfalfa will grow in all parts of the West, but requires a deep, loose soil.

Common Alfalfa—Write for prices.

Dry Land Alfalfa—For high, dry, hot land, where irrigation is impossible.

Grimm Alfalfa — This new variety is very hardy and will stand much more tramping.

FERTILIZERS

SHEEP MANURE

Is prepared from an unusual quality of genuine sheep manure, taken from covered feeding sheds (not from open corrals). It has never been exposed to the weather, and is free from all sand, dirt and weeds. The manure is thoroughly dried and all the water content removed. Then it is uniformly ground or pulverized. Light in weight, but heavy in plant food. Price, 1 sk. \$1.00; 3 sks. \$2.85; 5 sks. \$4.50; f.o.b. Portland.

BONE MEAL

Fine ground, is one of the best fertilizers. This is a very valuable enricher of the soil, and one of the most economical. Write for prices.

MURIATE OF POTASH

This fertilizer is especially valuable for fruit trees and berries.

SULPHATE OF POTASH

A desirable form of potash, especially valuable for potatoes and any root crops, such as beets, turnips, etc., also cabbage, etc. Write for prices.

FISH GUANO

Fish scraps, cooked, dried and ground, is a strong fertilizer, high in nitrogen, carrying considerable phosphorous and used largely by vegetable growers.

SUPERPHOSPHATE

A concentrated form of phosphoric acid, actually the cheapest form in which to buy phosphoric acid. Contains 17 to 18 per cent available phosphoric acid. Write for prices.

TANKAGE

Ground meat scraps and bone, desiccated in a vacuum, is very rich in phosphoric acid and nitrogen. Write for prices.

NITRATE OF SODA

For immediate results Nitrate of Soda is the very best for stimulating and forcing the growth of plants or any other crop. Write for prices.

SULPHATE OF AMMONIA

Analysis—Nitrogen as Ammonia 25%

It is instantly absorbed by the water in the soil and is immediately effective. Write for prices.

LAND PLASTER OR GYPSUM

Made from pure Gypsum, free from clay or other foreign matter. This is especially valuable for clover crops. 10 lbs. 25c; 100-lb. sack \$1.00.

BLOOD MEAL

Pure blood, cooked, dried and finely ground. A quick-acting fertilizer, analyzing very high in effective nitrogen. Write for price.

Prices Subject to Change. Write for Prices.

SPRAYS, INSECT AND RODENT KILLERS

A Non-Poisonous Spray



For use in the control of Mealy Bug, Green Aphis, Red Spider, Roseworm, Plant Lice, Pyslla, Earwigs, Slugs, Thrips, Mildew; White Fly; and many other pests.

1/2-pint cans, makes 6 gals., each.....\$.35
1-quart cans, makes 25 gals., each..... 1.00
5-gallon cans, makes 500 gals., each.....10.00

BLUE STONE (Vitriol)—Lb. 15c; 10 lbs. \$1.25.

BLACK LEAF 40—To kill green and wooly aphis, thrip, plant lice, codling moth, and all sucking insects. Prices: 1-oz. bottle (6 gals. of spray) 35c; 5-oz. bottle (30 gals. of spray) \$1.00; 1-lb. bottle (80-240 gals.) \$2.25. Write for prices of larger quantities. Note: Use 1 lb. Fish Oil Soap to 10 gal. water and add Black Leaf 40. Poison.

BUHACH INSECT POWDER — Kills flies, fleas, bedbugs, etc. Small yellow pkt. 10c; large 25c; 3-oz. can 40c; 6 ozs. 75c; 12 ozs. \$1.35.

CYANO GAS A — The fumes of this powder kills rats, moles, gophers, ants, etc. A spoonful to a hole or use a powder gun. 1-lb. can 75c; 5 lbs. \$2.50; 25 lbs. \$5.25.

CYANO GAS G—Prepared especially for fumigation of greenhouses to kill aphis, black fly, greenfly, whitefly, thrip, and soft scale. 1-lb. can 75c; 5 lbs. \$3.00; 25 lbs. \$10.00; 100 lbs. \$30.00

FORMALDEHYDE — For treating grain, potatoes, and bulbs. Pint 60c; qt. \$1; gal. \$3.25.

Gas Balls (Rodent Killer)—A new product of real merit to eradicate ground squirrels, prairie dogs, rabbits, and pocket gophers. 6 for 30c; doz. 50c; 3 doz. \$1.25; postpaid. Carton of 125 balls \$3.00. Weight 14 lbs., postage extra.

GRAFTING WAX—1/4-lb. 25c; 1/2-lb. 35c; 1 lb. 60c. Add postage if wanted by mail.

JND RAT-I-CIDE

Requires no mixing. A complete ready-to-use bait and killer. Simply place in small piles where rats or mice frequent. It does not deteriorate and can be left out indefinitely. Not a poison. Household size 50c; lb. can \$1.50.

QUICKLY KILLS GARDEN PESTS

SNAROL

Science provides new, safe method that does the work without fuss. Cutworms, sowbugs, grasshoppers, slugs, snails, earwigs, etc. 1 1/2-lb. pkg. 25c; 4-lb. pkg. 60c; 15-lb. bags, \$1.95; 50-lb. bags, \$5.50.



ANTROL — KILLS ANTS IN THEIR NESTS

It is composed of small glass containers partially filled with syrup and placed about the outside edges of the house or along ant "trails" in the garden. The ants smell the syrup, eat it and then transmit its mild poison to the queen in the nest. Soon the entire ant colony is destroyed. Antrol sets containing 4 containers and 1 4-oz. bottle of syrup 75c; Antrol extra containers, each 15c; Antrol syrup, 4-oz. bottles, 20c; Pints 50c; gal. \$2.75.



Effective against most other plant pests, including cucumber and melon beetles, cabbage worms, rose slugs, leaf hoppers, currant worms, etc.

SAFE—Kills only insects—harmless to man, livestock, birds and pets.

NON-INJURIOUS—Spray freely on the tenderest plants. Won't injure the ground.

EASY TO USE—Just mix with water and stir. No unpleasant odor.

WON'T GUM SPRAYERS—No bad effects on metal or rubber. Stays in solution and can't clog sprayers.

1-oz. bottles	\$.35
6-oz. bottles	1.00
16-oz. bottles	2.00
32-oz. bottles	3.50
1-gal. bottles	11.50

Ever Green can be sent through the mail

It is a non-poisonous preparation for control of root maggot on brussel sprouts, cabbage, cauliflower, kale, broccoli, onions, radishes, turnips, rutabagas, and other vegetables.



2-pound can	\$.35
10-pound bag	1.25
25-pound bag	2.25
100-pound bag	8.00

Add postage if wanted by mail

NICO-FUME LIQUID—For spraying or vaporizing. 1/4-lb. tin 75c; 1-lb. tin \$2.00; 4-lb. tin \$6.25; 8 lbs. (gal.) \$11.50; Cannot mail.

SEMESAN — SEED DISINFECTANT — Applied in dust or liquid form to the seed before planting. One ounce treats 15 lbs. of seed. Poison; not mailable. 2 oz. 50c; 1 lb. \$2.50; 5 lbs. \$11.75; 25 lbs. \$46.25.

NEW IMPROVED SEMESAN BEL

For Seed Potatoes

Simply mix, dip, drain, dry and your seed potatoes are ready for planting. Used on either whole or cut seed potatoes. Controls scab, rhizoctonia and black leg. One pound treats 70 to 80 bushels. 4 oz. \$50c; 1 lb. \$1.75; 5 lbs. \$8.00; 25 lbs. \$31.25.

TREE TANGLEFOOT—A sticky compound to band trees or large plants to prevent crawling insects from going up the stalks or trunks. 1-lb. can 60c; 5 lbs. \$2.50; 10 lbs. \$5.25; postage extra.

TOBACCO DUST—1 lb. 15c; 10 lbs. \$1.25.

WEED KILLER—For killing grass and weeds on tennis courts, paths and roadways. Use 1 part Weed Killer to 40 parts of water and apply with sprinkling can. Qt. 65c; gal. \$1.85; 5 gal. \$8.00. Write for barrel prices.

WHALE OIL SOAP—For aphis, plant lice, etc. Bar 20c; 100 lbs. bulk \$12.00; f. o. b. Portland.

WOOD-LARK SQUIRREL AND GOPHER POISON—Ready for instant use, never fails. Should be used early in the spring when green food is scarce. Place a few kernels near the burrowing place of the animals. Care should be used in placing it so as not to destroy song birds. 1 lb. cans each 50c. Cannot be mailed.

ACME

INSECTICIDES
FUNGICIDES

ACME ARSENATE OF LEAD

Recommended for fruit trees, vegetables, bushes and tobacco. Can be used as dust or spray. Prices: 1/2-lb. 20c; 1-lb. 30c; 4 lbs. 75c; 100 lbs. \$14.00. Cannot mail.

ACME ALL-ROUND SPRAY

The latest improvement in the insecticide field; one product which will combat blight and fungus diseases, control sucking insects and destroy chewing insects in one application. Prices: 1/4-lb. 35c; 1-lb. 80c; Cannot mail.

ACME BORDEAU MIXTURE

Prevents large losses caused by blight, rot, mildew, scab, anthracnose and certain other fungus diseases. Prices: 1-lb. 30c; 4 lbs. 65c; 100 lbs. \$12. Cannot mail.

ACME PARIS GREEN

For use on potatoes, also to mix with arsenate of lead for fruit tree spraying where quick results are necessary. Prices: 1/4-lb. 15c; 1-lb. 50c; 5 lbs. \$2.25. Cannot mail.

ACME LIME SULPHUR

For use in dormant spraying against scale, peach blight, leaf curl and twig borer. Summer spraying against scab, soot, blotch, red spider and mite. Price: 1-lb. 30c; 5 lbs. \$1.25; 10 lbs. \$2.25; 50 lbs. \$5.50; 100 lbs. \$10.75.



Keepway
Tarred Plant
Protectors

Protects Cabbage and
Cauliflower Plants

The maggot fly is the greatest pest with which the grower of cabbage and cauliflower has to contend with. A Keepway Tarred Plant Protector around the stem of the young plant will keep the maggot fly from laying its eggs around the stem. Pkg. of 24 15c; pkg. 72, 35c; pkg. 144, 50c; pkg. 500, \$1.50; pkg. 1000, \$2.90.

Napthalene

For Treating Soil for Insect Pests

Used by truck gardeners, bulb growers and for field crops to drive away grubs, wire worms, slugs, centipedes, aphids, etc. Prices: 1 lb. can 25c; 5 lbs. 75c; 10 lbs. \$1.25; 25 lbs. \$2.25; 50 lbs. \$4.00; 100 lbs. \$7.50. F. O. B. Portland.

Japanese Tubs

These tubs have large hoops and are imported from Japan. Small size, 13 inches high, 14 inches diameter at top. Price 75c each, postage extra.

ACME BAIT-M

For use against snails, cutworms, sow bugs, grasshoppers and many other insects which migrate along the ground. Prices: 1-lb. 40c; 3 lbs. 75c; 15 lbs. \$2.50. Cannot mail.

ACME TWO-WAY SPRAY

A balanced insecticide and fungicide containing 14% arsenate of lead and 83% Bordeaux mixture. Two results with one application. Use wet or dry on apple, sour cherry, currant and gooseberry, grape, pear, plum, strawberry, pecan, bean, beet, cucumber, pepper, potato, tomato and many other fruits and vegetables. Prices: 1/2-lb. 25c; 1 lb. 45c; 4 lbs. \$1.25. Cannot mail.

ACME GARDEN GUARD

A garden insecticide and fungicide for use as a dust. No water, no mixing, no muss. For use on cabbage, cauliflower, tomato, melon vines, currants, gooseberries, and other vegetables, flowers and shrubs of many kinds. Prices: 1 lb. sifter carton 35c. Cannot mail.

ACME APHIS SPRAY

Combines the two oldest and finest contact sprays. "Black Leaf 40" and Fish Oil Soap. Packed in a convenient 3-oz. tube. No messy mixing! Just squeeze into a sprayer, add sufficient water, shake well, then spray. Poison! 3-oz. Collapsible Tube, 35c; 12-oz. Tin, 95c.

Bamboo Plant Sticks

Bamboo, pencil size, stained green.
2-ft. 20c; doz; 100 \$1.00 2 1/2-ft. 25c doz.; 100 \$1.25
3-ft. 30c doz.; 100 \$1.35 4-ft. 35c doz.; 100 \$1.50

Wooden Garden Sticks

Painted green with white tip

Size	Per Doz.
3-0 long.....	\$.30
3-6 long.....	.35
4-0 long.....	.50
4-6 long.....	.75
5-0 long.....	.90
5-6 long.....	1.00
6-0 long.....	1.10

TREE LABELS

Copper Wired and Painted

3 1/2 inch.....35c per 100; \$2.90 per 1000

POT LABELS

5 inch.....35c per 100; \$2.50 per 1000
6 inch.....40c per 100; \$3.00 per 1000
8 inch.....85c per 100; \$7.50 per 1000

GARDEN LABELS

10 inch.....\$1.00 per 100; \$9.00 per 1000
12 inch.....\$1.50 per 100; 12.50 per 1000



Keep Your Dog Well With

DELCREO

Dog Remedies



DELCREO FOR DISTEMPER, BLACK TONGUE, PNEUMONIA, ETC.

Delcreo, if promptly administered, will quickly rid system of germs which cause disease.

Price 4 oz. bottle \$1.50; 16 oz. \$5.00.

DELCREO TONIC AND CONDITIONER

Puppies conditioned with Delcreo show an even and healthy growth. Unquestionably best insurance against disease.

Price per 2 oz. bottle 75c

DELCREO SOLUBLE SULPHUR OINTMENT

A Soothing and Healing Antiseptic Salve

For application in all skin affections, such as eczema, mange, pustular eruptions and sores produced by scratching.

Price 1 oz. jar 50c; 4 oz. jar \$1.50

SULFMINOL

A Sulphurated Mineral Oil for General and Chronic Constipation

Sulfminol is a combination of pure White Mineral Oil with our Soluble Sulphur Compound. Price 4 oz. bottle 50c; 16 oz. bottle, \$1.50

DELCREO TAPEWORM TABLETS

How to Give Delcreo Tapeworm Tablets

Give no food for eighteen hours and no water for twelve hours before giving the tablets, and withhold food for three hours after dosing.

Pkg. 75c

DELCREO INSECT POWDER

Kills fleas, lice on dogs, cats, foxes and poultry. Price, 3 oz. sifter top can, 50c.

DELCREO EYE LOTION

For weak, sore, running, mattered, inflamed eyes and lids and for film or abscess on eye. Strengthens weak eyesight. 2 oz. 60c.

DELCREO SOLUBLE SULPHUR COMPOUND

An effective treatment for eczema, rheumatism or kennel lameness and as a blood purifier. It may be given as medication or may be added to the drinking water. Price, 2 oz. bottle 60c; 4 oz. bottle \$1.00; capsules \$1.00 box.

DELCREO SOLUBLE BATH SULPHUR

For fleas, mange, eczema and other skin diseases. A mange cure, to be effective, must reach every part of the body. It is superior in every way to kennel soap and dips containing coal tar, carbolic acid or other caustic chemicals.

Price 4 oz. bottle \$1.00; 16 oz. bottle, \$3.00.

DELCREO DOG SOAP

A pure, neutral, antiseptic soap for cleansing and stimulating the skin and coat. 4 oz. cake 25c

DELCREO WORM TABLETS

In order to simplify the treating of dogs and puppies for round or stomach worms, we have prepared the Delcreo Worm Tablets in two packages: "For Dogs" and "For Puppies and Toy Breeds." These tablets are very easy to administer and may be given to puppies of any age.

Directions for Giving Delcreo Worm Tablets

Always give on an empty stomach

For puppies 2 to 6 months, give one (1) to four (4) Puppy Tablets, according to age, breed and weight. Each 65c

For puppies under 2 months give one-half the dose.

For dogs give one (1) to four (4) Dog Tablets. Each 65c

Repeat the dose every two weeks until no worms appear.

No laxative is needed with Delcreo Worm Tablets.

DELCREO VITAMIN TESTED COD LIVER OIL

Especially beneficial for growing puppies. Promotes growth, health and stamina. An important factor in conserving calcium in the body and improving the calcium content of the milk of nursing animals. Pint 60c; quart \$1.00. Add postage if wanted by mail.

PULVEX PRODUCTS

PULVEX FLEA POWDER

Considered by many as the finest and most effective flea powder on the market. It does not stun the fleas but actually kills them. 3/4-oz. can 25c; 2-oz. can 50c; 12-oz. can. \$1.25.

PULVEX WORM CAPSULES

These capsules remove all types of worms (tape, round and hook). They do a complete job yet do not harm the dog. 12 capsules 75c.

KUR-MANGE

A new Pulvex product that cures a dog of skin infections of all kinds. It is advisable to treat such ailments as soon as they are noticeable. 3-oz. 75c; 7-oz. \$1.00.

SIX-USE SOAP

A new Pulvex soap with six complete uses. Contains oils to sooth skin irritations, stimulates and tones the fur, destroys fleas and lice, makes coat shine, deodorizes and does a thorough cleaning job. Per bar 50c.



(WILLBRAE)

WIRE HAired FOX TERRIERS

Puppies and Grown Stock For Sale

Show stock from Blue Ribbon Winners. The finest of blood lines. No better stock on the Pacific Coast. Papers furnished. Ask for prices.



SPRATT'S DOG AND PUPPY FOODS
FOR EVERY AGE AND BREED

From tiniest puppyhood when SPRATT'S PUPPILAC proves the ideal weaning food until the time when, as a strong, healthy dog, he is thriving on PRATT'S crisp, meaty biscuits and nourishing meals, there are SPRATT'S DOG FOODS which cater to every stage of growth, every possible need. Ask us for a copy of "SPRATT'S HINTS ON THE CARE AND FEEDING OF DOGS." It's a 54-page book full of useful information for dog owners and it's free. If you have a puppy to "house-break" ask for a free copy of "SPRATT'S HINTS ON REARING PUPPIES."

FOODS FOR PUPPIES

Spratt's "Puppilac" will raise puppies from birth if necessary. 10 oz. oan 75c; 21 oz. \$1.50.
Spratt's Puppy Meal to be alternated with Puppilac. Lb. 20c; 2 lbs. 35c; 5 lbs. 75c.
Spratt's Pepsinated Puppy Meal to be used if puppy is inclined to be weak or poorly nourished. 35c and 75c cans.



Spratt's Bone Meal for Puppies to build bone and frame. 3 lb. can 50c.

Spratt's Puppy Biscuits to be fed as soon as puppy gets teeth and is able to gnaw.

FOODS FOR GROWN DOGS

Spratt's Dog Cakes, a meaty, crisp biscuit that should be the staple diet of all large dogs.

Spratt's "Kibbled" Dog Cakes; broken up to nut size.

Spratt's Ovals—A small oval biscuit that is relished by all dogs, large and small.

Spratt's Fibo—A granulated food that is especially nourishing and appetizing.

Spratt's C. L. O. Biscuits—Contain cod liver oil and intended for run-down dogs and a good change in diet for a dog.

Spratt's Charcoal Ovals—Every dog and puppy should have a full meal of these biscuits once or twice each week; stomach conditioner and gas absorber.

PRICES OF SPRATT'S DOG AND PUPPY FOODS

	BULK				PKGS.
	5-lbs.	10-lbs.	25-lbs.	50-lbs.	100-lbs.
Dog Cakes Whole.....	\$.75	\$1.45	\$3.15	\$6.00	\$11.85
Kibble Dog Cakes.....	.75	1.40	3.15	6.00	11.85
Ovals .....	.75	1.50	3.25	6.25	12.35
Fibo .....	.90	1.70	3.60	6.90	13.60
Char Coal Ovals.....	.75	1.50	3.35	6.40	12.60
Puppy Biscuits.....	.75	1.50	3.25	6.25	12.35
Cod Liver Oil Cakes.....	.75	1.50	3.35	6.40	12.60



Spratt's Worm Capsules for Grown Dogs — For round, maw and tape worms. Price 50c
Capsules—Safe to give 6 wks. old puppies.....50c
Spratt's Tapeworm Tablets—Special remedy for tapeworms. Price 60c
Spratt's Special Tablets—For treating distemper. For puppy or grown dog kind. Price \$1.00
Spratt's Mange Medicine --For treating mange trouble. Price \$1.00
Spratt's Cooling Tablets—For clearing blood of all impurities. 50c

Spratt's Ear Canker Ointment — For both external and internal forms. Price 75c
Spratt's Cough Tablets — Generally effect a quick cure., Price 50c
Spratt's Constipation Tablets—A gentle and effective laxative. Price 50c
Spratt's Digestive Tablets—For indigestion. Price 50c

Spratt's Chorea Tablets—For chorea, St. Vitus dance, fits. Price 50c
Spratt's Diarrhea Tablets. Price 50c
Spratt's Dip—For washing, cleaning, etc. Every dog owner should keep on hand. 75c
Spratt's Eczema Ointment—An effective remedy for all kinds of skin diseases. 50c
Spratt's Purgative Tablets—Safe and effective. Price 50c
Spratt's Flea Soap—Fine for skin trouble. Price 25c
Spratt's Rubber Bones—A splendid play-toy for your puppy or dog. Price 25c
Spratt's Antiseptic Soap—For skin trouble, etc. Price 25c
Spratt's Flea Powder—A very efficient remedy for fleas, insects, etc. Price 30c
Spratt's Sorbo Dog Balls—Pure gum rubber. Provides plenty of exercise, amusement.
Large size for large dogs.....\$1.00
Large size for large dogs.....\$.85
Small size for small dogs......40
We have a full line of Spratt's Imported Combs, Brushes, Leads, etc., and, if you will call at our store we will gladly show these goods to you.

ADD POSTAGE IF WANTED BY MAIL

SPRATT'S CAGE BIRD FOODS AND SUPPLIES



SPRATT'S ROLLER CANARY MIXTURE. Contains a combination of 18 choicest seeds and will improve the health and develop singing power. Full size, 25c.

Spratt's Moulting Food—A valuable tonic mixture and a wonderful feather producer. 9-oz. Pkg. Price 25c

Spratt's Mixed Bird Seed—Well balanced mixture. 15-oz. Pkg. Price 15c

Spratt's Color Foods (Red and Orange) — Deepens the natural color of the plumage. Purely vegetable. Pkg. 25c



Spratt's Song Restorer — An invigorating tonic and treat for canaries and all kinds of cage birds. Price 25c

Spratt's Sing Song — Appetizing food; bird will enjoy it. 10c

Spratt's Quinella—For all stomach trouble. Price 25c

Spratt's Canaradyne—For asthma, wheezing, etc. Price 25c

Spratt's Mitalene. Price 25c

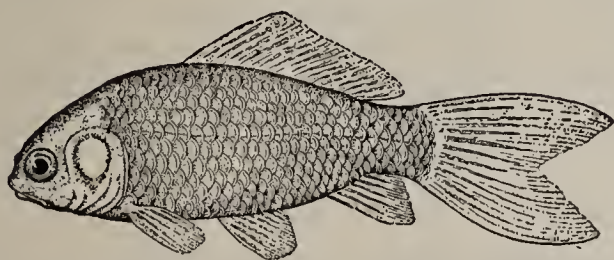
SOFT BILL BIRD FOODS

Spratt's Mocking Bird Food — For mocking birds, robins, thrushes and all soft-billed birds. Tins 30c

Spratt's Ants Eggs—A treat for soft-billed and insectivorous birds. Price 25c

Spratt's Zeke—(Dried Flies)—A valuable food for all cage-birds, turtles, etc. 15c

FISH FOODS



Spratt's Aquarium Fish Food—The best food for goldfish, etc. Price 10c

Spratt's Wafer Fish Food. Price 10c



Spratt's Bald Head Salve. Price 15c
Spratt's Sore Foot Salve. Price 15c
Spratt's Flake Charcoal. Price 15c
Spratt's Nesting Hair—Sanitary and very satisfactory. Package 10c

Spratt's C. L. O. Nestling Food—A wonderful food for raising young birds and a splendid tonic food for all birds the year 'round. 4-oz. pkg. 15c; 9-oz. pkg. 25c.

Spratt's Bird Tonic—A splendid general tonic. Bottles 25c

Spratt's Bird Lice Destroyer—A powder for dusting the feathers. Bellows 25c

Spratt's Red Mite Trap—Will aid greatly in keeping cages free of red mites. Price 25c

PARROT FOODS

Spratt's Parrot Mixture—A mixed food which should be fed at all times. 16-oz. pkg. 25c

Spratt's Pollicrackers—Your parrot will appreciate these specially prepared crackers. 10-oz. pkg. 20c



Spratt's Parakeet and Love Bird Mixture — A mixture of best seeds obtainable for these birds. Price 25c

Spratt's Parrot Tonic—Should be given especially during the moulting season. Price 30c



Magic is Nature's food which is absolutely required and beneficial to all cage birds. It contains more food value and expensive ingredients than any song restorer ever placed on the market. Magic may be used as a regular diet, as well as a tonic for both young and old birds and for breeding or raising young birds. Full directions inside of box.

Price: Each 30c; postpaid 35c; Net wt. 3 1/2 oz. 20 oz. pkg. \$1.00; postpaid \$1.15.

SPRATT'S CAT FOODS

Spratt's Cat Food—A whole and complete food for cats and kittens. Price 30c

Spratt's Malted Kitten Food — For weaning kittens. Price 35c

Spratt's Catnip Leaves—Very beneficial. Price 15c

Spratt's Catnip Mice—Your cat will enjoy these. Price 15c

Spratt's Worm Capsule. Price 60c

Spratt's Kitten Worm Capsule. Price 60c

Spratt's Cat Cough Tablets. Price 60c

ADD POSTAGE IF WANTED BY MAIL

Spratt's Cat Constipation Tablets. Price 60c

Spratt's Cat Diarrhea Tablets. Price 60c

Spratt's Cat Eczema Ointment. Price 60c

Spratt's Cat Digestive Tablets. Price 60c

Spratt's Cat Purgative Tablets. Price 60c

Spratt's Cat Tonic and Condition Tablets. Price 60c

Spratt's Special Tablets for Cats—Treating distemper. Price 75c

Walter Kendall Dog Food



The perfectly balanced ration for all breeds

FOOD OF CHAMPIONS

You can give your dog nothing better than this "Food of Champions". Walter Kendall Dog Food contains every food element important to the well-being of every breed of dog. It supplies the proteins and carbohydrates needed for tissue building and energy; mineral salts that build strong teeth and bones; plus those all-important vitamins that supply nourishment to the nervous system. It is a baked food, with all starches reduced to dextrin. Thousands of healthy, happy dogs are thriving on exclusive diets of Walter Kendall Dog Food!

a health food

CONTAINS

1. Milk
2. Cod Liver Oil
3. Yeast
4. Dog Biscuit Meal
5. Beef
6. Bone Meal
7. Wheat Cereal
8. Kibbled Dog Biscuit.

This food keeps
indefinitely
(Patent Pending)

EASIEST DOG FOOD TO USE

Just add $\frac{1}{2}$ cup of warm water to one cup of Walter Kendall Dog Food and stir until the food absorbs the water—it's ready to serve. Can you beat that for simplicity? No tin cans or other refuse to dispose of. Feed your dog once or twice a day and give him all he will clean up readily. For example, a teacup of this food mixed with $\frac{1}{2}$ cup of warm water makes one feeding for an average size dog.

Walter Kendall Dog Food is one of the most economical on the market. It is as nearly 100% food value as it is possible to manufacture. When mixed with water, this food doubles in weight.

1-lb., 15c; 2-lbs., 25c; 3-lbs., 35c; 9-lbs., \$1.00; 19-lb. carton, \$2.00;
50-lb. bag, \$5.00; 100-lbs. \$9.75.

NO FUSS . . NO BOTHER . . JUST ADD WATER

KENDALL MEAT SQUARES. A small square biscuit that is relished by all dogs, large and small; they prefer it to fresh meat. 1-lb., 15c; 2-lbs., 25c; 3-lbs., 35c; 9-lbs. \$1.00; 19-lbs., \$2.00; 50-lb. bag, \$5.00; 100-lb. bag, \$9.75.

KENDALL TERRIER FOOD. A granulated food that is especially nourishing and appetizing for all breeds. Prices same as the above.

KENDALL PUPPY FOOD. A very small granulated food that can be used with milk, broth, or gravies, a great builder for puppies. Prices same as the above. Add postage on the above if wanted by mail.

FRUIT TREES

In the purchase of fruit stocks great care should be given to the selection of varieties that will meet your conditions and requirements, as many that thrive and bear abundantly in one section often prove disappointing under variable conditions. Also many splendid sorts for home use are totally unsuited for profitable marketing. For this reason we offer a large assortment of improved varieties carefully tested and selected for their special merits and their adaptability to varying conditions.

First Grade APPLES Each

2 years\$0.60
1 year, 4-5 feet......50

AUTUMN AND WINTER VARIETIES

Baldwin—Large, rounded, deep bright red. Very productive.

Delicious—Fruit equals name in every respect. Keeps till April.

Grimes Golden—Rich golden yellow. Flesh tender and juicy.

Jonathan—Long lived and an early bearer. Fine quality.

Northern Spy—Large, round, greenish yellow. Requires good soil.

Spitzenberg—Yellowish, with broken stripes of bright red.

Wealthy—Medium, whitish-yellow, shaded with deep red.

Winter Banana—Market fruit. Pale yellow with pink blush.

Yellow Newtown—Pippin. Large, firm, juicy and smooth skinned.

SUMMER VARIETIES

Early Harvest—Medium size. Tender and fine for table and cooking.

Gravenstein—Large, crisp, juicy fruit. Tree very vigorous.

Red Astrachan—Large, deep crimson, flesh white.

Yellow Transparent—Flesh tender, juicy, sub-acid. Tasty.

CRABAPPLE VARIETIES

Florence—Red striped. Very early, juicy and crisp.

Red Siberian—Yellow with scarlet cheek. Bears abundantly.

Transcendent—Very large and excellent for tasty cider.

CHERRIES

First Grade Each

2 years, 4 to 6 feet.....\$0.75
1 year, 4 to 6 feet......60
1 year, 3 to 4 feet......40

Bing—Large, dark brown or black. Very fine, tasty and sweet.

Black Republican (Lewelling)—Large, black and sweet.

Lambert—Largest size. Deep, rich red. Fine firm flesh.

Royal Ann—A magnificent cherry of the largest size.

Waterhouse (Long Stem)—Small tasty fruit, light red.

PIE CHERRIES

Early Morello—Nearly black. Medium to large sizes.

Large Montmorency—The most popular sour cherry grown.

Late Duke—Large, light red. Excellent taste, sub-acid.

May Duke—Large, rich, dark red, sub-acid. May bearer.

APRICOTS

First Grade Each

1 year, 4 to 6 feet.....\$0.50
1 year, 3 to 4 feet......35

Moorepark—Excellent for canning and drying. Freestone.

Royal—Sweet, rich, juicy. Good dryer and canner.

The Lewis—Best flavored. Very hardy with juicy fruit.

Tilton—Large. Rich color, high flavor. Very productive.

First Grade PEACHES Each

4 to 6 feet.....\$0.50

Early Alexander—One of the largest early varieties. Sweet.

Early Crawford—Large, yellow, red cheek. Freestone.

Elberta—Large, bright yellow, red cheek. Juicy, sweet.

Early Elberta—Same as above except larger fruit and earlier bearing.

Hale's Early—Extra fine quality. Freestone.

J. H. Hale—Ripens a few days earlier than Elberta.

Late Crawford—Large, yellow, dark red, juicy. Freestone.

Mayflower—Red freestone and extremely early.

First Grade PRUNES Each

2 years, 4 to 6 feet.....\$0.50

1 year, 6 to 8 feet......40

1 year, 4 to 6 feet......35

Hungarian—Very large, dark red, juicy and sweet.

Italian (Fellenberg)—Dark purple, flesh a greenish-yellow.

New Standard—Trees large. Enormous yield. Freestone.

Pacific—Large, sweet, Same color as Italian. Good canner.

Petite (French)—Medium, egg-shaped. Violet purple. Sugary.

QUINCE

First Grade Each

2 years\$0.75

Pineapple—Flavor is suggestive of pineapple. Resembles the orange quince, making superior jelly. Can be eaten raw and has a most exquisite and delicious flavor. September.

PEARS

First Grade Each

2 years, 4 to 6 feet.....\$0.75

1 year, 4 to 6 feet......60

1 year, 3 to 4 feet......50

AUTUMN VARIETIES

Bartlett—Large. Skin thin, clear, lemon-yellow, soft blush.

Beurre Bosc—Large, beautiful, russety. Highly flavored.

Comice—A splendid commercial variety. Ships well.

Fall Butter—Yellow, sweet and juicy. September.

WINTER VARIETIES

P. Barry—Fine keeper. Large, yellow. December to March.

Winter Bartlett—Undoubtedly one of the few pears of recent introduction of real merit.

Winter Nellis—Medium. Skin yellowish-green. Flesh yellowish-white. Fine grained. December.

PLUMS

First Grade Each

2 year, 4 to 6 feet.....\$0.60

1 year, 4 to 6 feet......50

Bradshaw—Reddish-purple. Adheres partially to stone.

Coe's Golden Drop—Large, light yellow. Late September.

Damson—Small, bluish-purple. Rather tart. Trees fruitful.

Damson Shropshire—Dark purple. Very firm. Flesh green.

Maynard—Dull red, rich and sweet. Sturdy, quick growing.

Blood Plum—Large, dark red from skin to pit. Bears well.

Washington—Large, skin dull yellow, crimson blush. Sweet.

Yellow Egg—Very large. Deep golden, rather acid.

NUT TREES

Write for quantity prices.

ALMOND

(Nut bearing.) Almonds can be grown successfully in many sections of Oregon and Washington. We can supply most of the leading varieties at price listed. Special prices on large orders. 3 to 5 feet. Nonpareil. Nut sweet, shell thin. Each 75c.

BUTTERNUT

A beautifully formed tree bearing a rough-coated nut of most attractive flavor. Well known to the Middle West. Succeeds fairly well in the Pacific states. Each \$1.25.

FILBERTS

3 to 4 feet.

Barcelona—Magnificently large nut from Spain. First quality. Can be grown as low standard tree or bush. Each 75c.

Du Chilly—The largest filbert on the Pacific Coast. Nuts are broad, full-fleshed and sweet. Du Chilly is a good pollenizer for Barcelona. Each 75c.

White Aveline—This, used with the Du Chilly, considered best varieties for planting with Barcelona for pollenizer. Each 75c.

GRAFTED WALNUTS

(Soft Shelled.) We offer a splendid strain grafted on 4-year California Black Walnuts. Sturdy, thrifty trees with big, fibrous roots. The best to plant. Comes to bearing much younger than seedling walnuts. Can be shipped by express or truck. 3 to 4 feet, each \$1.00; 4 to 5 feet, each \$1.50; 5 to 6 feet, each \$2.00; large trees, 1¾-inch diameter, each \$2.50.

SEEDLING WALNUTS

Second generation. Soft shell, selected stock. Trees hardy and prolific bearers. Nuts are rich and meaty. Each \$1.25.

BERRY PLANTS

The Pacific Northwest is one of the outstanding berry sections of the world. Soil and climatic conditions are ideal for berry raising. Below we offer the leading berry plants at extremely low prices.

YOUNGBERRY

A real special! These berries are said to be a cross between the Loganberry and the Dewberry. An exceptionally fine flavored, very productive berry.

Transplants, each 15c; 10 for \$1.25; 100, \$10.00.

STRAWBERRIES

Plants are large, vigorous, healthy and heavy rooted. They have large full crowns. Carefully grown and are free from disease and pests.

All prices, except noted: 25 for 35c; 100 for 95c; 500 for \$4.25; 1000 for \$7.50, postpaid.

New Oregon—Most uniform and heaviest yielding main crop strawberry. Large, firm, of fine form, average 15 to the quart box. Brilliant deep rich red, with glossy.

Marshall—One of the best all-round strawberries. Very large and fine flavored throughout the entire bearing season. A splendid market and table berry.

Magoon—A very fine, sweet, juicy strain of strawberry that does exceedingly well in the Northwest.

Mastodon Everbearing—The largest everbearing berry grown. Mastodon is the most prolific, the firmest, the most beautiful berry with the real strawberry flavor. Bears early and late and can be picked all spring. 25 for 50c; 100 for \$1.25; 500 for \$5.00; 1000 for \$9.00, postpaid.

RASPBERRIES

Lloyd George—A new and truly outstanding variety. Considered by many as the finest berry on the American market. Tips. 100 for \$2.00; 50 for \$1.25; 25 for 75c; Transplants, 100 for \$7.50; 50 for \$4.00; 25 for \$2.25; 12 for \$1.20.

Chief—Another late variety that is rapidly becoming popular, especially with market gardeners. Same prices as "Lloyd George."

Black Caps—2-year, each 25c; 10 for \$2.25. 1-year, each 20c; 10 for \$1.75.

Red Caps—1-year, each 10c; 10 for 75c; 100 for \$5.00. Cuthbert, Marlboro, St. Regis Everbearing Red Caps, each 20c; 10 for \$1.75; 100 for \$10.00.

BLACKBERRIES

1 Year, each, 15c; 10, \$1.25.

Eldorado, sweet and rich. Himalaya Giant (Evergreen). Everbearing, coreless, sweet. Lawton, fruit large, very productive. Thornless Mammoth Blackberry (Cory). Tips, spring delivery only, each 20c; 100, \$10.00. 1 Year, transplanted, each 25c; 100, \$10.00.

LOGANBERRIES

2 Year plants, each 20c; 10, \$1.75; 100, \$15.00

1 Year plants, each 15c; 10, \$1.25; 100, \$10.00

GOOSEBERRIES

Oregon Champion, large, green, sweet, fine. Each 20c; 10, \$1.75.

CURRANTS

Oregon shipments only

Each 20c; 10, \$1.75

Perfection, largest, most prolific. Bright red, rich flavor, mild, sub-acid. Fays Prolific.

GRAPES

2 Year plants, each 20c; 10, \$1.75; 100, \$15.00

1 Year plants, each 15c; 10, \$1.25; 100, \$10.00

Campbell's Early. Nearly round, black. Concord, large, black grape. Bunches compact. Delaware, bright red. Lucile, Niagara, large, roundish, uniform white. Worden, large, black. Improved Concord, late.

PLANTS

Asparagus—Giant Washington, Mary Washington. 1 Year, postpaid. Doz. 25c; 50, 60c; 100, \$1.00; 1,000, \$5.00; 2 Year—Doz. 35c; 50, 90c; 100, \$1.50; 1,000, \$6.50.

Cabbage Plants—Name varieties wanted. Transplanted, postpaid. Doz. 20c; 100, \$1.00; 1,000, \$7.00. Not transplanted, Doz. 10c; 100, 75c; 1,000, \$5.00.

Cauliflower—Name varieties wanted. Transplanted, Doz. 25c; 100, \$1.50; 1,000, \$8.00. Not transplanted, Doz. 20c; 100, \$1.25; 1,000, \$8.00. Season April and June.

Celery Plants—Name variety wanted. Transplanted, postpaid, Doz. 25c; 100, \$1.25; 1,000, \$10.00.

Hop Roots—Postpaid, 3 for 25c; doz. 75c; 100, \$3.50.

Horseradish Roots—3 for 25c; doz. 50c; 100, \$2.00.

Kale—1000 Head—Transplanted, f.o.b. Portland. Doz. 20c; 100, \$1.25; 1,000, \$7.50. Not transplanted, Doz. 15c; 100, \$1.00; 1,000, \$6.50, f.o.b. Portland.

Lettuce—Transplanted, postpaid. Doz. 20c; 100, \$1.00.

Rhubarb—Riverside Giant, postpaid. Each 15c; doz. \$1.25; 100, \$5.00; f.o.b. Portland.

Tomatoes—Name varieties wanted. Transplanted, postpaid. Doz. 20c; 100, \$1.00; 1,000, \$8.50.

GLADIOLI BULBS

Albatros (Pfitzer)—A very tall spike with large lily like blooms of purest white.

Per Doz. \$1.00; Per 100 \$5.00

Aida (Pfitzer)—The earliest dark blue. A general favorite in this color...

Per doz. \$1.00; Per 100, \$5.00

Ave Maria (Pfitzer)—Another desirable blue of good habits and form.

Per doz. 75c; Per 100, \$4.00

Berty Snow (Mair)—Light lavender pink with lighter throat.

Per doz. 65c; Per 100 \$3.75

Blue Triumphator (Pfitzer)—A large light blue of recent introduction that was sold at \$100.00 per bulb, which we are now able to offer at the attractive price of

Per doz. \$5.00; Per 100 \$30.00.

Chancellor (Errey)—Very unusual shade of crimson.

Per doz. 50c; Per 100, \$3.25

Carmen Sylva (Prestgard)—A very popular white variety of medium size.

Per Doz. 50c; Per 100 \$3.25

Cowee's Scarlet Wonder (Cowee)—Large brilliant red. Should be in every collection.

Per Doz. 50c; Per 100 \$3.25

Dr. F. E. Bennett (Diener)—Most popular scarlet; white midrib. Per Doz. 50c; Per 100 \$3.50

Early Sunrise (Velthuys)—Very early large deep salmon.

Per Doz. 60c; Per 100 \$3.50

Edith Mason (Vaughan)—Very delicate geranium pink.

Per Doz. 75c; Per 100 \$4.50

Ethelyn (Fischer)—A dainty orange yellow Prim, very popular.

Per Doz. 50c; Per 100 \$3.50

Gold Eagle (Austin)—One of the best early yellows to date.

Per Doz. 40c; Per 100 \$2.50

Golden Amber (Salbach)—Tall rich amber yellow, Prim hybrid.

Per Doz. 50c; Per 100 \$3.50

Halcyon (Glad Bill)—A very beautiful rose pink of large size.

Per Doz. 60c; Per 100 \$3.50

Longfellow (Decorah)—Excellent pink, a favorite with all Florists.

Per Doz. 50c; Per 100 \$3.25

Mrs. F. C. Peters (Fischer)—Very good rose lilac, large flower and plant.

Per Doz. 45c; Per 100 \$3.00

(Continued on Page 27)

PLANET JR. SPEED HOE AND CULTIVATOR

GLADIOLI BULBS (Continued from Page 26)

Mrs. P. W. Sisson (Coleman)—A wide open cameo pink of good size.

Per Doz. 50c; Per 100 \$3.25

Mrs. John S. Wood (Metzner)—Large massive begonia rose. Attractive and desirable.

Per Doz. 50c; Per 100 \$3.50

Orange Queen (Pfitzer) — Brilliant orange Prim, very dainty.

Per Doz. 40c; Per 100 \$3.00

Paul Pfitzer (Pfitzer)—Tall dark velvety purple that does not fade in the sun.

Per Doz. 50c; Per 100 \$3.50

Pfitzer's Triumph (Pfitzer) — Large light orange scarlet, deeper lip. Demands admiration.

Per Doz. 80c; Per 100 \$4.75

Pearl of California (Kingsley)—Huge spike of light pink, each spike a bouquet.

Per Doz. 60c; Per 100 \$3.75

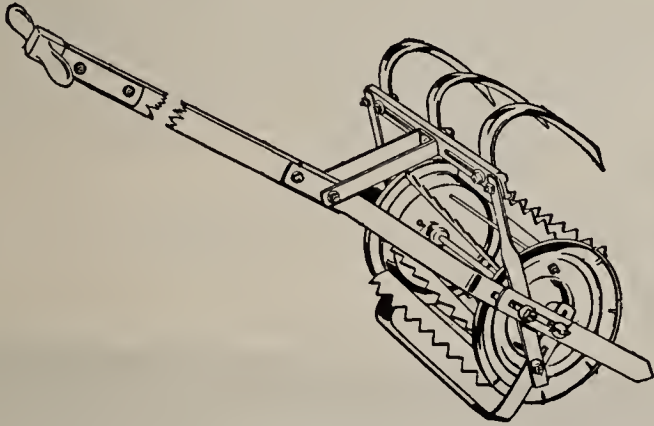
Ruffled Gold (Goodrich)—Ruffled golden yellow. Good keeper as a cut flower.

Per Doz. 60c; Per 100 \$4.50

Sunnymede (Fischer)—Soft orange yellow with brilliant red throat markings.

Per Doz. 50c; Per 100 \$3.25

These Bulbs are all large — One and one-quarter Inch or Over.



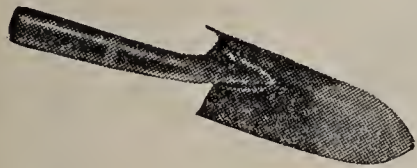
The Planet Jr. Speedhoe is a rotary type cultivator embodying a number of important features. You push it as you would a lawn mower and the revolving blades crumble the dirt against the following scuffle blade. This cuts off the weeds and leaves a fine surface mulch.

Here are some of the specific features of the Speedhoe.

1. The blades are saw-toothed to give better penetration and more complete pulverization.

2. The scuffle blade is sharpened and is adjustable for depth and slightly for pitch.

8 inch, each	\$7.10
10 inch, each	7.45
12 inch, each	8.35



PLANET JR.

LIFETIME

TROWEL

Each 60c, postpaid

BULB TROWEL

LIFETIME

PLANET JR.



Each 60c, postpaid

PLANET JR.

LIFETIME

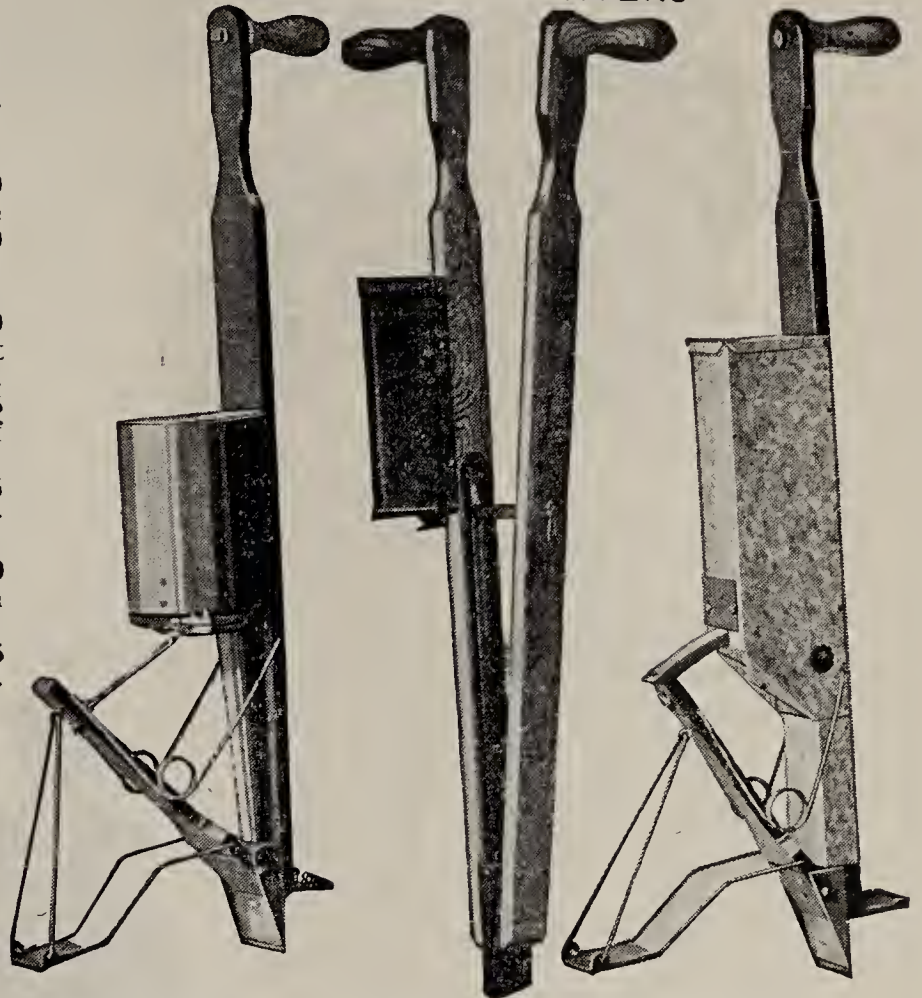
WEEDER

Each 50c, postpaid

PINGREE POTATO PLANTER

Similar to the tubular, but has no tube. You lift the planter up to drop in the potato. Parcel post weight 5 lbs. Price \$1.50

HAND CORN PLANTERS

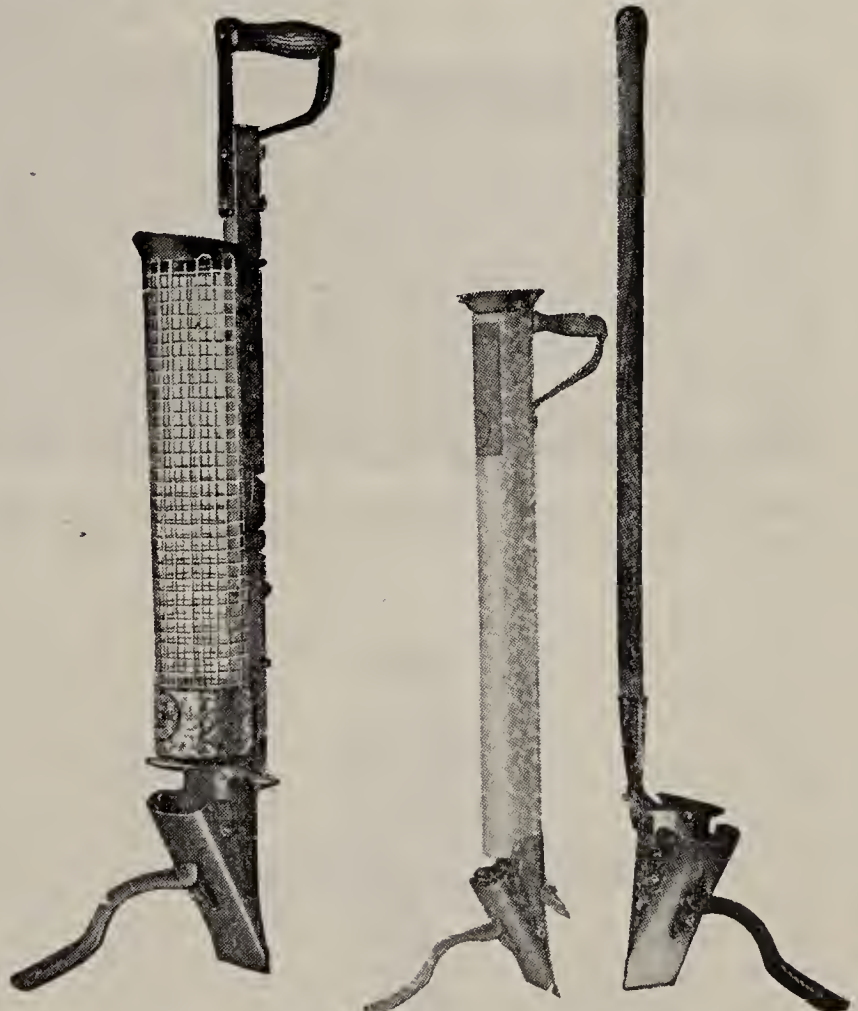


Acme Rotary
\$2.65 each

Acme Slide
\$1.50 each

Segment
\$2.25 each

HAND POTATO PLANTERS



Wire Tube

Solid Tube

Pingree

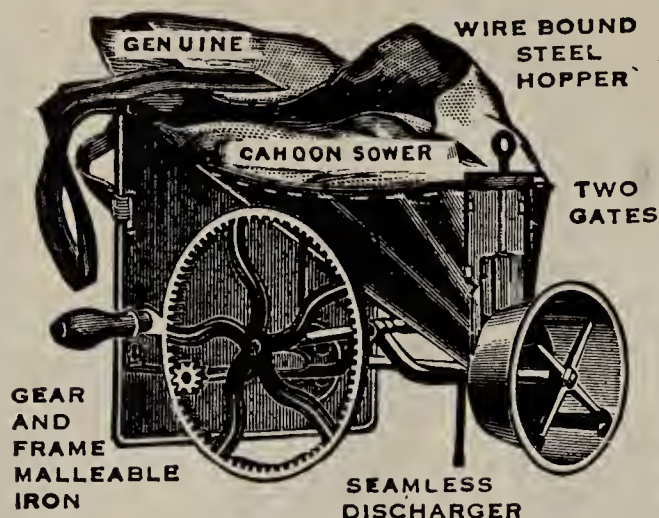
WIRE TUBE POTATO PLANTER

The lightest strong planter; the strongest light planter. Is all steel. Wind resistance reduced to minimum. Cannot clog and fail to plant. Sharp jaws enter as easily as a spade. Weight, each, 6 lbs. Each \$1.75

SOLID TUBE POTATO PLANTER

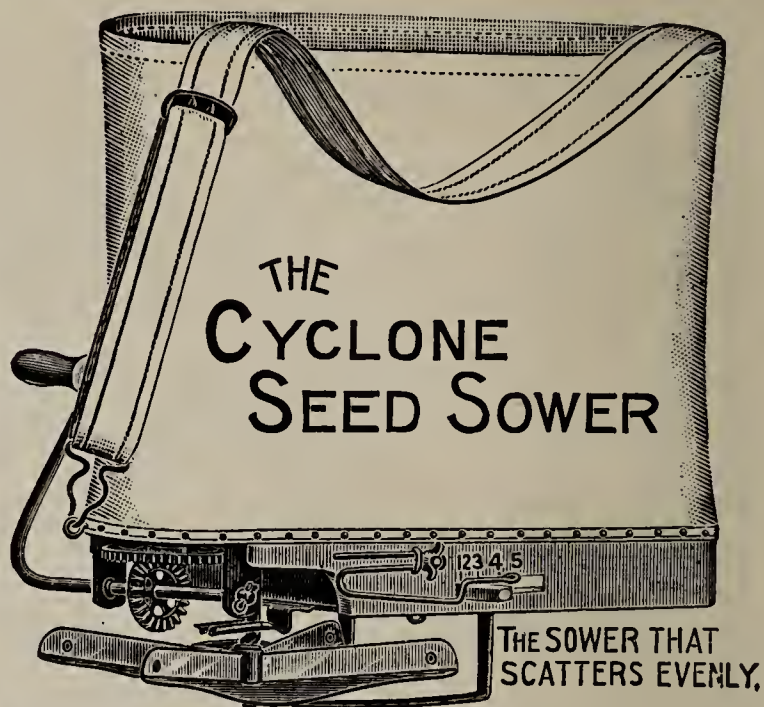
Has galvanized iron taper conveying tube, largest at bottom. Jaws of crucible steel, polished and self locking, step for forcing jaws into the soil. Handle well braced and smooth. Each \$1.75

BROADCAST SEED SOWERS



CAHOON SEEDER

Made of steel, iron and brass; the most popular and best; force feed; does excellent work. Sows all grains and grass seeds. Weight 9 lbs. Instructions included. \$5.00 f.o.b. Portland

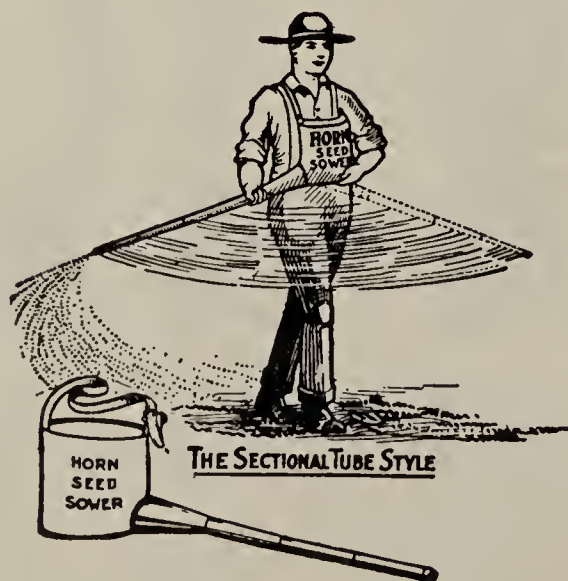


CYCLONE

Sows any kind of seed, perfectly even over the ground at the rate of 50 acres a day, any amount desired per acre. Saves seed—soon saves its cost. Weight 8 lbs. Price \$2.50



FASTEST OF ALL GRASS SEEDERS—THOMPSON'S SEEDER No. 11, \$15.50 each—For broadcasting grass, sowing red top, clover, timothy and mixed seeds. Light, strong, simple.



THE HORN SEED SOWER

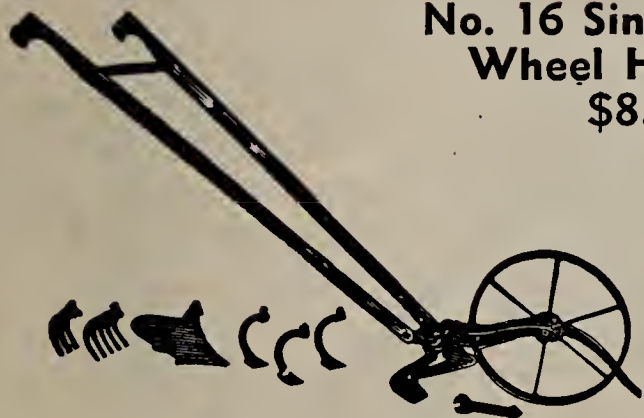
Will sow 40 to 60 acres per day of alfalfa, clover, timothy, millet, etc. Spread seed evenly from 30 to 40 feet. Price \$1.00



LITTLE GIANT

Has a pressed tin, five-flanged distributing wheel, and lathe centered gearings, making it a very easy running seeder. Accurate gauge, force feed, steel frame, hand hold and shield. Weight, each, 4 lbs. Price \$2.40

Planet Jr. Garden Tools



**No. 16 Single
Wheel Hoe
\$8.75**

**No. 11 Double
and Single
Wheel Hoe
\$13.50**

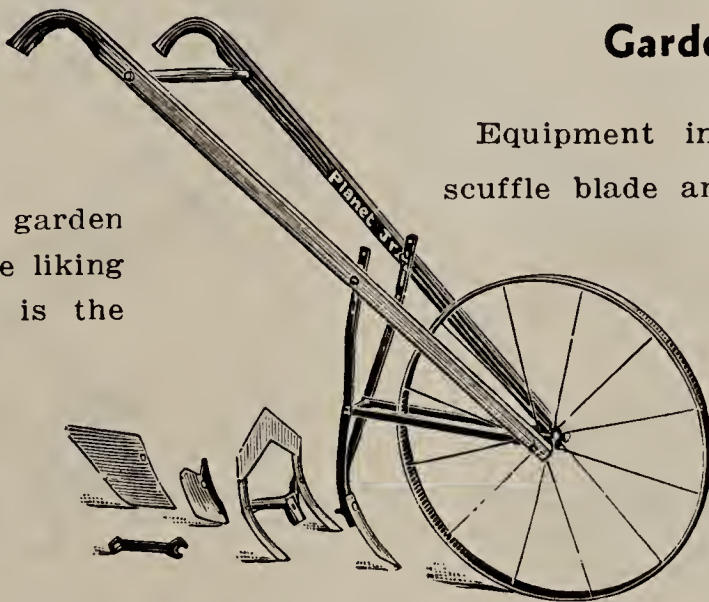


Equipment very complete including one pair 6-in. hoes for weeding and shallow cultivation, three cultivator teeth for general and deeper cultivation, one plow with landslide for hilling, ridging and plowing, one 3-tooth and one 5-tooth rake for fine, close cultivation and one leaf lifter which is useful in protecting overhanging leaves and vines. An ideal machine for family garden.

Equipment is complete, with one pair 6-in. and one pair 4½-in. hoes for weeding and shallow cultivation, 4 cultivator teeth for deeper and general cultivation, 1 pair plows for plowing, covering and ridging, 2 3-tooth and 2 5-tooth rakes for fine, close work, a pair of leaf lifters which lifts the leaves and vines out of way when plants are more fully grown. Frame is adjustable for rows of different widths.

No. 119

A sturdy and inexpensive garden plow and cultivator. For those liking the high-wheel hoe this tool is the favorite.



Garden Plow \$3.80

Equipment includes a large plow, a scuffle blade and three cultivator teeth.

**No. 2 Planet
Jr. Edger**



Neatness is the great secret of attractiveness in grounds surrounding a residence, and to have neatness, grass bordering walk must be frequently edged or trimmed. With No.

2 Planet Jr. Edger you can edge either straight or curved walks of cement, stone or brick rapidly and easily. The sharp edging is made of high-grade steel and will last for years. The tool is extremely simple and easy to operate, and there is nothing to get out of order. Your lawn mower needs an assistant—the No. 2 Planet Jr. Lawn Edger—to finish the job.

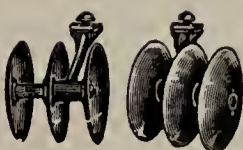
\$1.60

**STAR
PULVERIZER**

A very good tool pulverizing, leveling. Discs break up the soil and scuffle blade weeds, smooths and cultivates. Especially efficient after a rain. **Price \$3.00**



**\$1.30 Pr.
6-in.
S100-1 Hoes**



**Disc Hoes
\$3.50 Pr.**



**R-6 Plow
\$1.10**



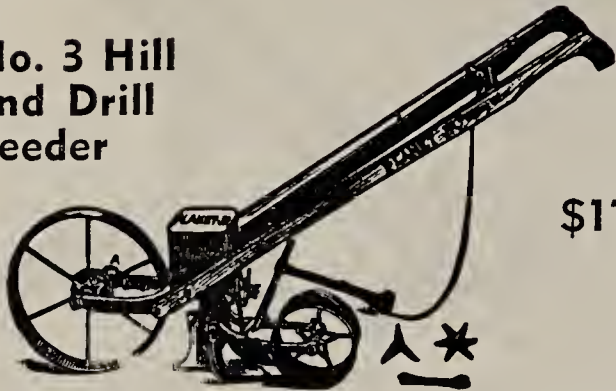
**M-N5 Plows
\$1.40 Pr.**



**1395 Teeth
35c ea.**

Planet Jr.

No. 3 Hill and Drill Seeder



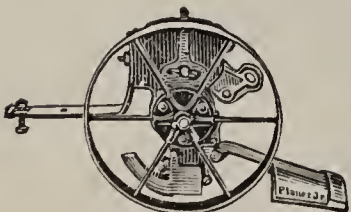
\$17.00

Made for the market gardener or farmer who has a good-sized garden. Hopper holds 3 quarts, enough to plant about $\frac{1}{4}$ acre in seed. Plants practically all vegetable seeds in narrow, straight, continuous rows or dropped in hills 4, 6, 8, 12 or 24 in. apart. Marks next row at the same time. Seed control and shut-off located at top of handle, making easier operation.

No. 300 Drill Seeder
\$19.50

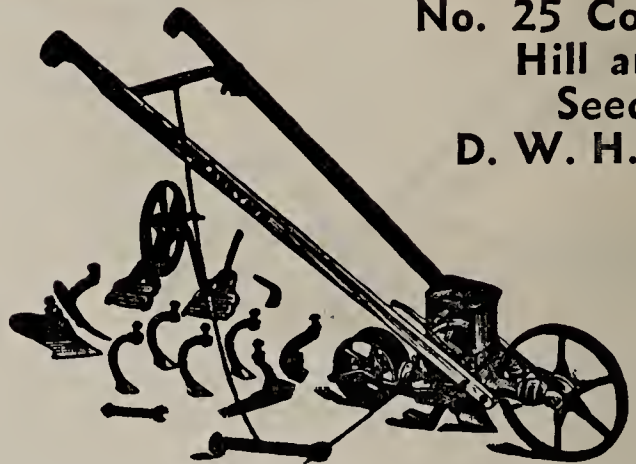


A drill seeder with new, accurate seed dropping device, large, wide-tread wheels, and of light but sturdy construction. Runs easily, sows accurately, in straight rows, marks out next row, covers seed and does everything a good seeder should do. Designed specifically for sandy soil or muck, but works equally well in any soil. Detachable hopper and scrapers.



and greenhouses. Many people have an idea that planting and cultivating a garden is hard work. It is if you plant by hand and cultivate with the ordinary hoe or cultivator. With the No. 35 you put a 5-cent packet or pint of seed in the hopper, set the seed index lever at the seed you are going to sow and start. The furrow is opened, the seeds are planted and covered as you go. There is no stooping and back-cracking and the job is done in much less time. The seeds are at an even depth and in straight narrow rows, making cultivating easier and quicker. Remember this attachment does not replace our regular line of seeders. It is intended for the small kitchen garden, where the rows are usually short and not large enough to warrant buying a complete seeder. It is just as accurate as the larger models and the change from one seed to another is made in a few minutes.

No. 25 Combined Hill and Drill Seeder and D. W. H. \$21.75



"The Complete Gardener," plants practically all vegetable seeds to proper depth in narrow, straight, continuous rows or in hills 4, 6, 8, 12, or 24 inches apart. Easily changed into a double or single wheel hoe. Attachments are those most needed—hoes for weeding and shallow cultivation—cultivator teeth for general and deeper cultivation and plows for furrowing, covering and weeding.

No. 4 Combined Hill and Drill Seeder and S. W. H. \$17.25



The No. 4 is a combination of the most useful tools for home garden. Plants almost all vegetable seed in continuous rows or hills 4, 6, 8, 12, 24 in. apart. Plow adjustable for depth opens straight, narrow furrow, the seeds are dropped in it, covered and the soil firmed and the next row marked out in same operation. Converted into a single wheel hoe by changing one bolt. Cultivating equipment includes the most useful attachments—hoes for weeding and shallow cultivation, cultivator teeth for deeper and general cultivation, and the plow for furrowing and ridging.



PLANET JR. SEEDER ATTACHMENT No. 35
Weight $8\frac{1}{2}$ pounds \$6.50
With handle $9\frac{1}{2}$ pounds 7.00

LEE'S FOODS AND REMEDIES FOR STOCK AND POULTRY



More than 75% of all chickens are infested with intestinal worms, according to poultry authorities—worms which rob a fowl of its food, lower vitality, decrease egg production, retard growth, rob you of your poultry profits. Put up in the following sizes:

Adult Size Gizzard Capsule:

50-cap. pkg.	\$.75
100-cap. pkg.	1.35
250-cap. pkg.	3.00
500-cap. pkg.	5.50
1000-cap. pkg.	10.00

Pullet Size Gizzard Capsule:

50-cap. pkg. ....	.50
100-cap. pkg.	1.00
250-cap. pkg.	2.50
500-cap. pkg.	4.50
1000-cap. pkg.	8.50

Chick Size Gizzard Capsule:

50-cap. pkg. ....	.40
100-cap. pkg. ....	.75
250-cap. pkg.	1.75
500-cap. pkg.	3.25
1000-cap. pkg.	6.00

Lee's Germozone (Liquid)

4-oz. bottle	\$.40
12-oz. bottle ....	.75
32-oz. bottle	1.50
½-gal. bottle	2.50
1-gal. bottle	4.50

Lee's Germozone (Tablet)

20-tab. box ....	.25
75-tab. box ....	.75
200-tab. box	1.50

Leemulsion—(Formerly Flue) (Koff Emulsion)

12-oz. bottle	1.25
32-oz. bottle	2.25
½-gal. bottle	3.75
1-gal. bottle	7.00

Poultry Dosing Syringes, 1-oz. capacity.....

Lee's Nasal Syringe, for Head Colds.....	.75
--	-----

Lee's Vapo-Spray

32-oz. can ....	.75
½gal. can	1.25
1-gal. can	2.25
5-gal. can	9.00

Lee's Lice Killer

1-quart can ....	.60
½-gal. can ....	.90
1-gal. can	1.50
5-gal. can	6.50

Lee's Louse Powder

1-lb. can ....	.30
2½-lb. can ....	.60

Lee's Dip and Disinfectant

1-quart can ....	.75
½-gal. can	1.25
1-gal. can	2.00



INOCULATE

Alfalfa, Soy Beans

Clovers — all Legumes

with

NITRAGIN

65c per bu. size—
Alfalfa, Clovers,
Lespedeza

50c per bu. size—Peas, Vetch, Beans, Aust. W. Peas

35c per bu. size—Soy Beans, Cow Peas

REDUCED TO

YOU CAN NOW AFFORD TO INOCULATE ALL YOUR LEGUMES WITH DATED, HIGH COUNT NITRAGIN.

Full value guaranteed in every package of NITRAGIN—packed with Billions of live, fresh and efficient Legume Germs. For your protection every package of NITRAGIN bears the Expiration DATE, Germ COUNT when packed and the PRICE. Don't gamble! Know what you are buying. Insist on NITRAGIN.

NITRAGIN EASY TO APPLY

NITRAGIN is a granular MOIST soil-like culture, packed in tins. Easy to apply. Directions on every can.

NITRAGIN—The Original Legume Inoculator—is the lowest priced, high quality inoculator on the market.

NITRAGIN INOCULATION PRICES

When ordering, always specify kind of seed.

Alfalfa, all Clovers Lespedeza	Soy Beans, Cow Peas
Size Price	Size Price
½ bu. \$.35	1 bu. \$.35
1 bu. .... .65	2 bu. .... .65
2½ bu. 1.40	5 bu. 1.40
	10 bu. 2.45

Peas, Vetch, Beans, Austrian Winter Peas	Garden NITRAGIN for Peas, Beans, Sweet Peas and Lupines
Size Price	
½ bu. \$.35	Can be used on any amount of seed, up to 8 lbs. Price 25c
1 bu. .... .50	
*12½ bu. .... .80	
5 bu. 2.25	
*“100 lb. size” packed only for Vetch and Peas.	

ALWAYS THE LARGEST—and most widely distributed inoculator in the U.S.A.

GERMOZONE

Twice a week add Germozone to the drinking water as a safeguard against White Diarrhoea, Coccidiosis and bowel troubles. It keeps the crop pure and sweet and combats germs and digestive disorders—a real life-saver for chicks. A most effective remedy for Colds, Roup and Swelled Head. Just as valuable for half-grown and mature fowls.

KOW-KARE

The Best and Cheapest Insurance on the Health of Your Cows

Recommended for Scouring, Lost Appetite, Bunches, especially for possible or threatened Abortion, for Barrenness, for Retained Afterbirth and Milk Fever. Large size, \$1.25; medium size, 65c; six large cans, \$6.25.

BAG BALM

For all diseases of udder and teats, such as caked bag, sore teats, bunches, chapping, cuts, or inflamed parts, you can use this remedy with perfect safety: positive results in every case. Insist on Bag Balm manufactured by The Dairy Association. Price 60c.

REFERENCE TABLES

Quantity of seeds to produce a given number of plants or to sow an acre.

VEGETABLE SEEDS

	Per acre		Per acre
Asparagus—1 oz. to 400 plants.....	4 lbs.	Lettuce—1 oz. to 200 ft. drill.....	3 lbs.
Beans, dwarf—1 lb. to 125 ft.....	40 lbs.	Melon, Musk—1 oz. to 100 hills.....	2 lbs.
Pole—1 lb. to 150 ft. drill.....	35 lbs.	Water—1 oz. to 25 hills.....	2 lbs.
Field,—1 lb. to 200 ft. drill.....	35 to 45 lbs.	Okra—1 oz. to 100 ft. drill.....	5 lbs.
Lima—1 lb. to 75 hills.....	35 lbs.	Onion Seed—1 oz. to 150 ft. drill.....	3 lbs.
Beet, Table—1 oz. to 60 ft. drill.....	6 lbs.	For sets	50 lbs.
Mangel—1 oz. to 75 ft. drill.....	5 lbs.	Onion Sets—1 lb. to 35 ft. drill.....	200 lbs.
Broccoli—1 oz. to 3000 plants.....	3 ozs.	Parsnips—1 oz. to 350 ft. drill.....	3 lbs.
Br. Spouts—1 oz. to 3000 plants.....	3 ozs.	Peas, dwarf—1 lb. to 125 ft. drill.....	75 lbs.
Cabbage—1 oz. to 3000 plants.....	4 ozs.	Tall—1 lb. to 150 ft. drill.....	60 lbs.
Carrot—1 oz. to 150 ft. drill.....	2 1/2 lbs.	Pepper—1 oz. to 2000 plants.....	4 ozs.
Cauliflower—1 oz. to 4000 plants.....	3 ozs.	Potatoes—15 lbs. to 100-ft. row 800 to 1000	lbs.
Celery—1 oz. to 5000 plants.....	4 ozs.	Pumpkin—1 oz. to 25 hills.....	3 to 4 lbs.
Chicory—1 oz. to 100 ft. drill.....	5 lbs.	Radish—1 oz. to 100 ft. drill.....	10 lbs.
Corn, Sweet—1 lb. to 150 ft. drill.....	15 lbs.	Rutabaga—1 oz. to 250 ft. drill.....	1 to 2 lbs.
Sweet—1 lb. to 160 hills.....	12 lbs.	Salsify—1 oz. to 100 ft. drill.....	8 lbs.
Corn Salad—1 oz. to 50 ft. drill.....	5 lbs.	Spinach—1 oz. to 100 ft. drill.....	8 lbs.
Cucumber—1 oz. to 100 hills.....	2 lbs.	Squash, Summer—1 oz. to 30 hills.....	3 lbs.
Endive—1 oz. to 300 ft. drill.....	2 lbs.	Winter—1 oz. to 25 hills.....	3 lbs.
Horseradish Roots	10 to 15 M.	Tomatoes—1 oz. to 3000 plants.....	2 to 3 ozs.
Kale, Table—1 oz. to 3000 plants.....	1 lb.	Tobacco—1 oz. to 4000 plants.....	
Stock—1 oz. to 300 ft. drill.....	1 to 2 lbs.	Turnips—1 oz. to 250 ft. drill.....	1 to 2 lbs.
Leek—1 oz. to 200 ft. drill.....	3 lbs.		

FIELD, FARM, GRASS AND CLOVER SEEDS

	Quantity per acre		Quantity per acre
Alfalfa	12 to 15 lbs.	Rye Grass—for lawn	100 lbs.
Artichokes	400 to 600 lbs.	Sudan—Drills	3 to 5 lbs.
Barley—75 lbs. drills.....	broadcast 100 lbs.	Broadcast	16 to 20 lbs.
Buckwheat—35 lbs. drills.....	broadcast 50 lbs.	Kaffir Corn—drills	6 to 10 lbs.
Cheat	75 to 100 lbs.	Millet	20 to 30 lbs.
Clover—Alsike and White.....	6 to 8 lbs.	Oats—for seed	75 to 100 lbs.
White for lawn	1 lb. to 20 ft. square	For hay	100 lbs.
Crimson	15 to 20 lbs.	Potatoes—60 lbs. per bushel.....	12 to 15 bu.
For fodder, drills	50 lbs.	Peas, Field—100 lbs. or 80 lbs. with 35 lbs. oats	
Red	10 to 12 lbs.	Rape—3 lbs. drill.....	broadcast 5 lbs.
Sweet	15 to 20 lbs.	Rye—for grain	60 to 75 lbs.
Corn, Field—Hills	10 to 12 lbs.	For turning under	100 lbs.
Flax	35 to 45 lbs.	Speltz or Emmer	80 lbs.
Grass, Kentucky Blue—Pasture.....	20 to 30 lbs.	Sugar Cane	10 to 12 lbs.
Kentucky Blue—for lawns ..	1 lb. to 15 ft. sq.	Sunflower	5 to 7 lbs.
Mixed Lawn	1 lb. to 15 ft. sq.	Timothy	10 to 12 lbs.
Red Top—Hulled, solid seed.....	8 to 10 lbs.	Vetches	80 lbs. or 60 lbs. with 40 lbs. oats
Orchard	25 to 30 lbs.	Vetch, Hairy or Sand	30 lbs.
Brome Grass	20 to 30 lbs.	Wheat	90 to 120 lbs.
Rye Grass—for pasture	20 to 30 lbs.		

Suitable Distances for Planting Trees and Plants

NOTE—Depending on method of cultivation you can set plants or trees closer.		In planting in the home garden for hand cultivation	
Apples, standard	25 to 35 feet	Raspberries	3 by 6 feet
Apples, dwarf	10 to 12 feet	Strawberries, in hills	2 by 3 feet
Pears, standard	20 to 25 feet	Strawberries, matted rows	2 1/2 by 4 feet
Pears, dwarf	10 feet	Asparagus, in beds	1 by 1 1/2 feet
Peaches and Apricots	18 to 22 feet	Asparagus, in field	1 by 4 feet
Cherries, sweet	30 to 35 feet	Rhubarb	3 by 6 feet
Cherries, sour	18 to 22 feet	Logans and Cory Blackberries—	
Plums and Prunes	20 to 25 feet	Rows	6 to 9 ft. apart
Quinces	15 to 18 feet	Plants in the row.....	6 to 10 ft. apart
Walnuts	40 to 50 feet	Grapes—	
Currants	3 by 6 feet	Rows	6 to 9 ft. apart
Gooseberries	4 by 6 feet	Plants in the row.....	6 to 10 ft. apart

Number of Trees or Plants on an Acre

1 by 2 feet	21,780	3 by 5 feet	2,904	12 by 12 feet	802
1 by 3 feet	14,520	3 by 6 feet	2,420	15 by 15 feet	193
1 by 4 feet	10,890	4 by 4 feet	2,722	16 by 16 feet	170
1 1/2 by 2 feet	14,520	4 by 6 feet	1,815	18 by 18 feet	135
1 1/2 by 3 feet	9,680	6 by 8 feet	907	20 by 20 feet	109
2 by 3 feet	7,260	6 by 6 feet	1,210	25 by 25 feet	70
2 by 4 feet	5,445	8 by 8 feet	680	30 by 30 feet	48
3 by 4 feet	3,630	10 by 10 feet	430	40 by 40 feet	27

RULE—Multiply the distance in feet between the rows by the distance the plants are apart in the rows, and the product will be the number of square feet for each plant or hill, which, divided into the number of square feet in an acre (43,560), will give the number of plants to the acre.

OREGON SEED STORE

224 Yamhill Street, Portland, Oregon

Name Date..... 192...

STREET, P. O. BOX
OR RURAL DELIVERY-----

County.....

Post Office State.....

Express or
Freight Office Send by.....
(If Different from P. O.) Parcel Post, Express, Freight

Do Not Write Here Order No.....Date Rec'd.....Shipped.....

SEE INSIDE OF FRONT COVER FOR OUR SPECIAL FREE OFFER

MONEY ENCLOSED

Money Order

Check

Stamps

Cash

Total

[illegible]

See the Other Side of This Sheet—Have We Your Correct Address?

Order Sheet

224 Yamhill Street, Portland, Oregon

Name Date

Date..... 192....

STREET, P. O. BOX
OR RURAL DELIVERY.....

MONEY ENCLOSED

Money Order

Check

Stamps

Cash

Total

County.....

Post Office State.....

Express or
Freight Office Send by.....
(If Different from P. O.) Parcel Post. Express. Freight

Send by.....

Parcel Post, Express, Freight

Do Not Write Here Order No.....Date Rec'd.....Shipped.....

SEE INSIDE OF FRONT COVER FOR OUR SPECIAL FREE OFFER

[illegible]

See the Other Side of This Sheet—Have We Your Correct Address?

NUMBER OF PLANTS PER ACRE AT VARIOUS DISTANCES

Distance Inches	Plants	Distance Inches	Plants	Distance Feet	Plants	Distance Feet	Plants
1x 1	6,272,640	10x48	12,068	4x 5	2,178	9x10	484
1x 3	2,090,880	15x15	27,878	4x 6	1,815	9x11	440
1x 4	1,568,160	15x30	13,939	4x 7	1,556	9x12	403
1x 5	1,254,528	15x36	11,616	5x 5	1,742	10x10	435
2x 2	1,568,160	18x36	9,680	5x 6	1,452	10x12	363
2x 3	1,045,440	18x48	7,260	5x 7	1,244	10x15	290
2x 4	784,080			5x 8	1,089	10x18	342
2x 5	627,264	Feet		5x 9	968	10x20	217
3x 3	696,960	1x 1	43,560	6x 9	1,210	12x12	302
3x 4	522,720	1x 2	21,780	6x 7	1,037	12x15	242
3x 5	418,176	1x 3	14,520	6x 8	907	12x20	181
4x 4	392,040	1x 4	10,890	6x 9	806	15x15	193
4x 5	313,632	1x 5	8,712	6x10	726	15x18	161
5x 5	250,905	2x 2	10,890	7x 7	888	15x20	145
6x 6	174,240	2x 3	7,260	7x 8	777	18x18	134
7x 7	128,012	2x 4	5,445	7x 9	691	18x20	121
8x 8	98,010	2x 5	4,356	7x10	622	18x24	100
9x 9	77,440	3x 3	4,840	8x 8	680	20x20	108
10x10	62,726	3x 4	3,630	8x 9	605	20x24	90
10x20	31,363	3x 5	2,904	8x10	544	20x30	72
10x24	26,136	3x 6	2,420	8x11	495	30x24	60
10x30	20,908	3x 7	2,074	8x12	453	30x30	48
10x36	16,424	4x 4	2,722	9x 9	537	30x36	40

NUMBER OF PLANTS TO ACRE

Set regular distance apart

Distance Apart	No. Plants	Distance Apart	No. Plants
1 ft. by 6 in.	87,120	7 ft. by 7 ft.	888
2 ft. by 6 in.	43,500	8 ft. by 8 ft.	680
2 ft. by 12 in.	26,780	9 ft. by 9 ft.	537
2½ ft. by 12 in.	17,420	10 ft. by 10 ft.	435
2½ ft. by 18 in.	17,420	11 ft. by 11 ft.	360
2½ ft. by 18 in.	11,616	12 ft. by 12 ft.	302
2½ ft. by 2 ft.	8,712	14 ft. by 14 ft.	222
3 ft. by 1 ft.	14,520	15 ft. by 15 ft.	193
3 ft. by 1½ ft.	9,924	16 ft. by 16 ft.	170
3 ft. by 2 ft.	7,260	17 ft. by 17 ft.	150
3 ft. by 3 ft.	4,840	18 ft. by 18 ft.	134
4 ft. by 1 ft.	10,890	19 ft. by 19 ft.	120
4 ft. by 2 ft.	5,445	20 ft. by 20 ft.	108
4 ft. by 3 ft.	3,630	25 ft. by 25 ft.	69
4 ft. by 4 ft.	2,722	30 ft. by 30 ft.	48
5 ft. by 1 ft.	8,712	33 ft. by 33 ft.	40
5 ft. by 2 ft.	4,356	40 ft. by 40 ft.	27
5 ft. by 3 ft.	3,904	50 ft. by 50 ft.	12
5 ft. by 4 ft.	2,178	60 ft. by 60 ft.	17
5 ft. by 5 ft.	1,742	66 ft. by 66 ft.	10
6 ft. by 3 ft.	2,420		
6 ft. by 4 ft.	1,815		
6 ft. by 6 ft.	1,200		

* RULE.—Multiply the distance in feet between the rows by the distance the plants are apart in the rows, and product will be the number of square feet for each plant or hill; which divided into the number of square feet (43,560), will give the number of plants to the acre.

MATURITY TABLE

	No. of Days		No. of Days
Beans	40 to 90	Mangel Wurzels	140 to 150
Beets	50 to 100	Okra	90 to 100
Cabbages	80 to 120	Onions for green	60 to 70
Cauliflower	100 to 120	Onions for storage	120 to 160
Carrots	60 to 100	Parsnips	120 to 140
Celery	120 to 140	Peas	50 to 100
Sweet Corn, table use	65 to 80	Peppers	120 to 140
Cucumbers	45 to 60	Pumpkins	100 to 120
Egg Plants	140 to 150	Salsify	120 to 160
Endives	50 to 70	Spinach	30 to 40
Kale	100 to 130	Squash, Summer	55 to 60
Kohl Rabi	80 to 90	Squash, Winter	100 to 125
Lettuce	40 to 65	Tomatoes	90 to 110
Melons	75 to 90		
Turnips	45 to 90		

Nasturtium Bodger's Double . . .

Sweet Scented Scarlet Gleam

SCARLET GLEAM when grown in a large block has been likened to a huge fiery carpet spread over the ground. It is in fact the most intensely dazzling color one could imagine in a flower, even more showy than the vivid golden yellow of Golden Gleam. Similar in habit of growth, the type of doubleness found in the individual flowers is somewhat different from that known in the popular Golden Gleam. While Golden Gleam derives its effect of doubleness from petals which are markedly wrinkled, almost fluted, Scarlet Gleam is more or less plain petaled and deeper throated, although the individual petals are at least twice the size of ordinary Nasturtiums. The doubleness is caused by an overlapping of small petals toward the center. When grown under favorable conditions, therefore, the throat has a tendency to show, and the flowers appear but semi-double. When well grown, the general effect is that of complete doubleness. For cutting or garden use Scarlet Gleam has but few equals. **Sold at 25 cents per packet.**

Nasturtium Bodger's Double . . .

Sweet Scented Golden Gleam

Golden Gleam is maintaining its position as the best known and most popular novelty of the past two seasons, becoming even more popular as time goes on. The large, double sweet scented golden yellow flowers on long stems are borne profusely well above the bright green foliage of the neat semi-dwarf plants. Ideal for any garden use. **Sold at 10 cents per packet.**

Nasturtium Bodger's Double Sweet Scented Glorious Gleam Hybrids Finest Mixed

The flowers are fine large, well formed sweet scented doubles, of the same type as the well known Golden Gleam. In habit of growth they also closely resemble Golden Gleam, with semi-dwarf plants throwing short runners from well rounded free flowering bushes. The stems are long and bear the flowers well above the lush green of the foliage, giving the effect of a solid mass of color. The color range includes an evenly balanced blend of the glorious assortment of brilliant shades: salmon, golden yellow, orange scarlet, cerise, cream yellow, orange, maroon, crimson, and many spotted varieties. **Sold at 25 cents per packet.**